

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Bond No. B-73310

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐JUL PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☐

OTHER Gas Injection

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Union Oil Company of California

3. ADDRESS OF OPERATOR

P. O. Box 2620 - Casper, WY 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

565' FNL & 964' FEL

At proposed prod. zone

565' FNL & 964' FEL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

35 miles southeast of Moab, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any)

564'

16. NO. OF ACRES IN LEASE

880

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

2300'

19. PROPOSED DEPTH

8420'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6821' GR (Ungraded)

22. APPROX. DATE WORK WILL START*

Immediately Upon Approval

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48#	50'	10 sx. <i>cement to surf</i>
12-1/4"	9-5/8"	36#	1000'	600+ sx. "
8-3/4"	7"	23# & 26#	8420'	525+ sx.

PROPOSED DRILLING PROGRAM:

Drill 17-1/2" hole with rat-hole machine to 50'. Set and cement 13-3/8" conductor. Move in rotary rig. Drill 12-1/4" hole to 1000'. Run and cement 9-5/8" casing. Drill 8-3/4" hole to approximate T.D. of 8420'. Run logs and, if logs indicate production, run and cement 7" casing. Selectively perforate the Mississippian and place on gas injection through 3-1/2" tubing.

The BOP will be operationally tested daily and each

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 7/8/81

BY: *[Signature]*

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

[Signature]
R. G. Ladd, Jr.

TITLE

District Drilling Supt.

DATE

6-30-81

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

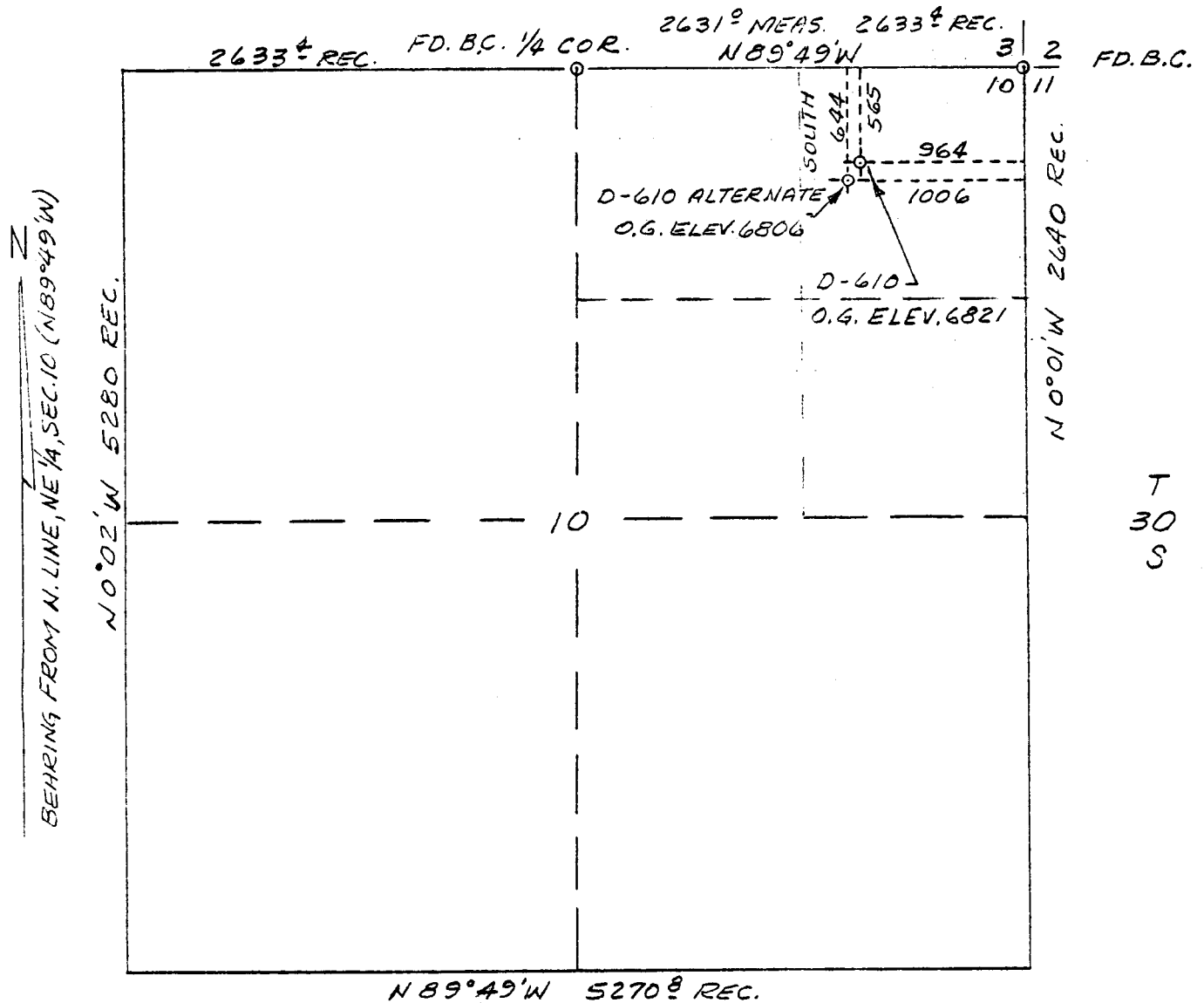
APPROVED BY

TITLE

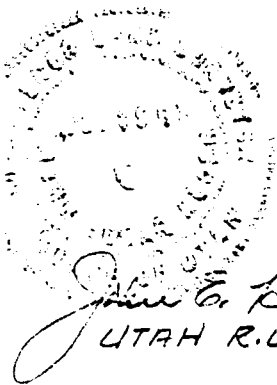
DATE

CONDITIONS OF APPROVAL, IF ANY:

R 24 E



WELL LOCATION PLAT OF
D-610 & D-610 ALTERNATE
IN NE 1/4, SEC. 10, T30S, R24E, S.L.B. & M.
SAN JUAN COUNTY, UTAH
FOR: UNION OIL CO.
SCALE: 1"=1000' JUNE 16, 1981
TRANSIT & E.D.M. SURVEY
ELEVATIONS BY VERTICAL ANGLES FROM
TRIANGULATION STA. B1-8, A.E.C.,
BIG INDIAN CONTROL NET (ELEV. 6935[±])



UTAH R.L.S. No. 1963

THE PURE OIL COMPANY

LOCATION REPORT

Date March 2, 1960A.F.E. No. 299Division Rocky Mountain Producing Prospect Northwest LisbonLease USA (Utah 015445)Northwest Lisbon USAAcres 919.12 Lease No. 8848

Elevation

Well No. 3

(Serial No. _____)

Quadrangle NE SESec. 4Twp. 30SRge. 24EBlk.
Dist.
Twp.Survey Salt Lake P.M.County San JuanState UtahOperator The Pure Oil Company

Map

1980 Feet North of the South line of Section
 660 Feet West of the East line of Section
 Feet of the line of
 Feet of the line of

LEGEND

○ Location



Gas Well



Abandoned Location



Oil Well



Abandoned Gas Well



Gas-Distillate Well



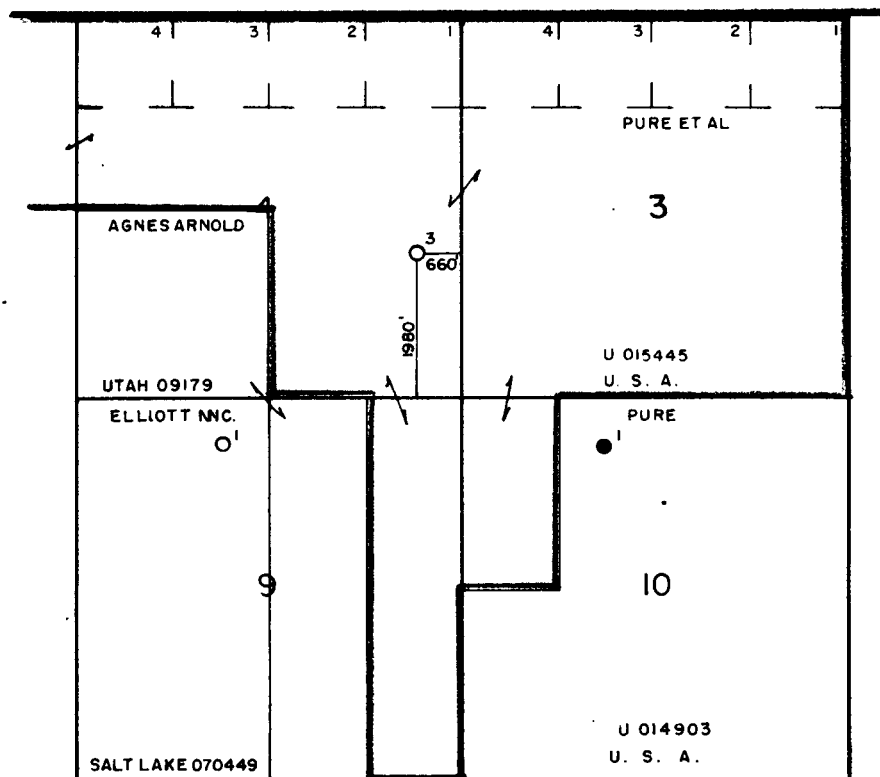
Abandoned Oil Well



Dry Hole



Input Well

Scale 2" = 1 MILE

Remarks:

Submitted by

Rex Ludjke
RL

Civil Engineer

Approved by

Division Manager

Approved by

Vice-President—General Manager

**** FILE NOTATIONS ****

DATE: July 8, 1981

OPERATOR: Union Oil Co. of Calif.

WELL NO: Lisbon unit # D-610

Location: Sec. 10 T. 30S R. 24E County: San Juan

File Prepared: ☒

Entered on N.I.D: ☒

Card Indexed: ☒

Completion Sheet: ☒

API Number 43-037-30694

CHECKED BY:

Petroleum Engineer: M. J. Minder 7/8/81

Director: _____

Administrative Aide: as per order below
on boundaries

APPROVAL LETTER:

Bond Required: ☐

Survey Plat Required: ☐

Order No. 136-2 6/25/81

O.K. Rule C-3 ☐

Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site ☐

Lease Designation ☒

Plotted on Map ☐

Approval Letter Written ☐

Hot Line ☐

P.I. ☐

July 9, 1981

Union Oil Company of Calif.
P. O. Box 2620
Casper, Wyoming 82602

RE: Well No. Lisbon Unit #D-610
Sec. 10, T. 30S, R. 24E,
San Juan County, Utah

Insofar as this office is concerned, approval to drill the above referred to gas injection well is hereby granted in accordance with the Order issued in Cause No. 136-2.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer
Office: 533-5771
Home: 876-3001

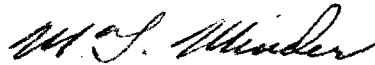
Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-037-30694.

Sincerely,

DIVISION OF OIL, GAS, AND MINING



Michael T. Minder
Petroleum Engineer

MTM/db
CC: USGS

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DEPARTMENT OF THE INTERIOR
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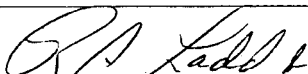
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24.

SIGNED



TITLE District Drilling Supt.

DATE 6-30-81

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY (Orig. Sgd.) A. M. RAFFOUL

FOR E. W. GUYNN
TITLE DISTRICT OIL & GAS SUPERVISOR

DATE 10-8-81

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED
TO OPERATOR'S COPY

*See Instructions On Reverse Side

NOTICE OF APPROVAL

FLARING OR VENTING OF
GAS IS SUBJECT TO NTL 4-A
DATED 1/1/80

State O & G

United States Department of the Interior
Geological Survey

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator/Project Name Union Oil Company of California/D-610 Lisbon Unit
 Project Type single zone gas injection well
 Project Location 565' ENL/964' FEL, sec. 10, T. 30 S., R. 24 E.
San Juan County, Utah
 Lease Number U-014903
 Date Project Submitted _____

FIELD INSPECTIONDate September 11, 1981

Field Inspection
Participants

Glen Frederick/Jay Axtel - Union Oil Co.
Tom Hare/Jeff Williams - Bureau of Land Management
Jamer Cantrell/Jim Cantrell, Jr./Lester Cantrell - WEC Construction
Don Englishman - UIGS

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria 516 DM 2.3.A.	Federal or State Agency			Local and Private Correspondence	Previous NEPA documents	Other Studies and Reports	Staff Expertise	Onsite Inspection (date)	Other
	Correspondence	Phone Calls	Meetings						
1. Public health and Safety						✓	✓		
2. Unique Characteristics							✓		
3. Environmentally Controversial							✓		
4. Uncertain and Unknown Risks							✓		
5. Establishes Precedent							✓		
6. Cumulatively Significant							✓		
7. National Register Historic Places	✓ 2								
8. Endangered or Threatened Species	✓ 2								
9. Violate Federal, State, Local or Tribal Laws						✓	✓		

September 16, 1981 / D.E.C.
Date Prepared

George J. Dumaack
Signature of Preparer 9/30/81

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

SEP 30 1981

Date

E. W. GYNN
FOR E. W. GYNN
DISTRICT OIL & GAS SUPERVISOR
District Supervisor

Date 9-11-81 By OEE
Lease U-014903 Field Dev
Operator Union Oil Co. of Calif. (Tex., W.C., W.O.)
Well # & Name D-610 Lisbon Unit
Location 565' ENL/964' S 10 T. 20 S. R. 24 E
County San Juan State Utah
Depth 420' ^{Q.P.} Formation Mud.
^{narrow test. ens y. test} Vegetation P. yon / juniper / mountain ash
Room snakeweed / gray thorn
Indian wicegrass / prickly pear an hedgehog
blue grass Est. Rd. Lnth. 1/4 mile Est. Max. Cut 15' fishhook
Rod/Pit Size 320' x 320' Est. Max Cut 21' N
Rd. Width (w/PL w/o PL) 18-20' (25' also p.p. lined)
Slope 20% Soil Type sand & bedrock
Est. Start φ 95 ap. Mud gas ANALYST
Nearest known dwelling 4 miles NW
Surface Ownership BLM
Names of Individuals on Joint Inspection:
Glen Frederick / Jay Axtell - Union
Tom Hume / Jeff Williams - BLM
James & Lester Carroll / W & C Carroll
Tom Carroll, Jr.

Remarks: TOPO: rugged canyon ridges
[Nitrogen Injection well]

DRAINAGE: to SW
DRILLING CER- 9-16-81
TIME: 50 WATER SOURCE:
15 produced water on Moab
Grine



United States Department of the Interior

IN REPLY REFER TO

3109
(U-068)

BUREAU OF LAND MANAGEMENT

Moab District
Grand Resource Area
P.O. Box M
Moab, Utah 84532

SEP 16 1981

Memorandum

To: District Engineer
USGS Conservation Division
Federal Bldg. 701
Camino Del-Rio
Durango, Colorado 81301

From: ~~ACTING~~ Area Manager, Grand

Subject: Union Oil Company of California
Well D-610 U-014903
Section 10, T. 30 S., R. 24 E.
San Juan, County

On September 11, 1981, a representative from this office met with Don Englishman, USGS, and Glenn Fredrick of Union Oil for an inspection of the above location. Subject to the attached stipulations and written approval of USGS, I am approving the surface management portion of the Application for Permit to Drill for the well and access road only. The nitrogen plant and injection line operated by Air Products and the Utility substation operated by Utah Power and Light are not approved.

Air Products and Utah Power and Light must submit separate applications to this office for a Right-of-Way. A 60 day lead time is necessary to avoid delays.

The archaeological requirement has been fulfilled on this location. No threatened or endangered species are indicated in the area.

Please forward the enclosed information to Union Oil of California.

Kenneth V Rhea

Enclosures (2)
1-Special Stipulations
2-Road Standards

RECEIVED

SEP 17 1981

U. S. GEOLOGICAL SURVEY
DURANGO, COLO.

Supplemental Stipulations

Union Oil Company of California
Well D-610
Section 10, T. 30 S., R. 24 E.
San Juan, County
U-014903

1. The reserve pit will be moved to the north approximately 100 feet, and placed in at least 50 per cent cut; the far south corner of the reserve pit will be in at least 5 feet of cut.
2. The reserve pit will be constructed below the pad level approximately 10 feet in terrace design. The pad dikes will be constructed by placing the soil material in 6 inch lifts and compacted; excess cut will be placed in pad fill.
3. Approximately 2 inches of topsoil will be windrowed along the north end of the pad; topsoil will be scraped from the entire site prior to pad or pit construction.
4. The reserve pit will be fenced on three sides prior to drilling and the remaining side will be fenced when the rig is released.
5. All cut sections will be rounded to at lease 2:1 slope.
6. All uprooted trees are to be windrowed around the pad during drilling operations. The vegetative debris will be placed in the reserve pit and burned (if necessary) when the pit is reclaimed.
7. The BLM will be notified immediately should archaeological material be unearthed during construction.
8. A portable trash cage will be used to store all trash produced onsite; the trash will be hauled to an approved landfill or incinerated off-site.
9. The existing and proposed access road will be constructed with adequate drainage design and erosion control as specified in the attached road standards.
10. If production is obtained, the reserve pit and pad, outside of the "deadmen," will be recontoured and reseeded as per the road reclamation standards.
11. If production is obtained, any above ground production facilities will be painted natural earth tones to match the red sandstone in the area.

12. Prior to initiating any construction, Mr. Tom Hare will be notified 48 hours before planned construction and again upon completion of the access road. Contact can be made at the following telephone numbers:

259-6111 BLM District Office
259-7965 Home phone

13. Once abandoned, the entire location will be recontoured, the topsoil replaced, and seeded to the road reclamation standards attached.

14. Reserve pit will be lined with 12 inches of native clay, or 4 inches of Bentonite

CLASS III ROADS

SECTION 1

SURVEY AND DESIGN

Definition - Class III roads are those existing or proposed roads which serve the development of a very limited area (i.e. one or two oil or gas wells) of a depletable natural resource. When the purpose for which the road was constructed no longer requires access, the road will be rehabilitated unless otherwise directed by BLM.

1. Design Requirements

- (A) Design speed 15 mph.
- (B) Travel way width - minimum 18 feet.
- (C) Minimum horizontal curve radius, 115 feet (maximum degree of curve 50° unless a shorter radius is approved by BLM prior to construction).
- (D) The road shall be outsloped from 2 to 4 percent on all side hill sections.
- (E) Maximum grade 10 percent (except pitch grades*).
- (F) Turnouts (on roads having a travel surface width of less than 20 feet) shall be located at intervals of 1,000 feet or within sight distance, whichever is less.
- (G) Drainage control shall be insured over the entire road through use of natural rolling topography, drainage dips (water-bars), and outsloping.
- (H) The new access road will be constructed along the existing trail for the first quarter mile as detailed at the September 11, 1981 onsite inspection.
- (I) The existing access road will be upgraded to prevent erosion with the installation of drainage dips (waterbars).
- (J) The large drainage near the wellsite will be forded with a portable bridge or large culvert as detailed at the onsite inspection of September 11, 1981. If a culvert is used, the culvert will be sized using approved hydrologic calculations for a 100 year storm.

* Pitch grades are defined as those grades exceeding 10% which are necessary because of topography, i.e. low water crossings. Such grades shall not extend over 300 feet in length, nor shall they be used to circumvent the intent of these stipulations. Maximum pitch grade shall be 15 percent.

SECTION 2

CONSTRUCTION STANDARDS

1. Public Convenience and Safety

The Company shall take all necessary precautions for the protection of the work and safety of the public during construction of the road.

Warning signs shall be posted wherever directed during blasting operations.

2. Excavation

All suitable material removed during excavation operation shall be used as far as practicable in the formation of the embankments.

3. Embankment Construction

Embankment material shall not be placed when either the materials or the surface on which they will be placed are frozen or too wet (as determined by BLM) for satisfactory compaction.

The contractor shall route his construction equipment over the layers of embankment material already in place to avoid uneven compaction anywhere along the travel route.

Borrow material shall not be used until all of the accessible roadway excavation has been placed in the embankments unless otherwise permitted by the BLM.

All slopes, shoulders and road surfaces shall be finished smoothly and in accordance with the lines and grades shown on the drawings.

4. Drainage Dip Construction

Drainage dips shall be spaced in accordance with the following table:

Material

Road grade (%)	Material				
	Hard sediment	Basalt	Granite	Glacial silt	Andesite
-----cross-drain spacing, feet-----					
2	165				
4	150				
6	145				
8	135				
10	125				

Culvert pipes shall be used for cross drains on grades in excess of 10 percent.

(A) Construction Requirements

Construction shall be as specified in paragraphs 3 and 4, and as shown on the drawings.

5. Seeding

- (A) The Company shall carry out erosion control items of vegetation establishment during the season established for seeding. Vegetation establishment shall be completed on areas of disturbance as they are completed if actual construction is being accomplished during the seeding season.

Seeding shall be carried out on all of the areas described as follows:

- (1) On cut slopes, and shall extend from the bottom of the ditch to the top of the cut slope.
 - (2) On embankment slopes, and shall extend from the roadway shoulder to the toe of the embankment slope.
 - (3) On all borrow pit areas.
 - (4) On all "side cast" in areas of full bench construction.
- (B) Seeding season shall be from September 15 to December 15, or as otherwise allowed by the BLM.
- (C) Seed application will be by seed drill or broadcasted and harrowed; other methods will require prior BLM approval.
- (D) Species and application rates are as follows:

<u>Type of Seed</u>	<u>Application Rate*</u>
Indian ricegrass	2 lbs./acre
Blue grama	2 lbs./acre
Wild sunflower	½ lb./acre
Pacific aster	½ lb./acre
Four-wing saltbush	2 lbs./acre
<hr/>	
7 lbs./acre	

*These rates will be increased by 2.5 times if seed is broadcasted.

THE COMPANY SHALL COMPLETE CONSTRUCTION OF THIS ROAD IN ACCORDANCE WITH ALL STIPULATIONS AND HAVE IT APPROVED BY BLM PRIOR TO WELL SPUDDING.

SECTION 3

ROAD MAINTENANCE STANDARDS

The completed road shall be maintained to the following standards as applicable for the term of use.

1. Travel Way

- (A) Roadbed is smooth, free of ruts, chuckholes, rocks, slides, washboards; crowned and/or sloped for drainage.
- (B) Free from excessive accumulation of dust pockets of layers which are a driving hazard or public nuisance.
- (C) Berms shall be absent along the shoulder.
- (D) Soft spots, such as those resulting from springs and seeps, shall be absent.

2. Shoulders

- (A) Shoulders are straight and present a uniform line with the surface free from large rocks, limbs, or stumps.

3. Ditches and Drainage Dips

- (A) Original cross section shall be maintained. Drainage area clear of rocks, slides and sediments.
- (B) Vegetation or sedimentation does not restrict ditch flow or reduce the waterway area.
- (C) Ditch bottom is stable and is not excessively eroded.
- (D) Back slope area above ditches is stable.

4. Other Related Road Features

- (A) Right-of-way free of excessive or objectional litter.

5. Fences, Gates and Cattleguards

- (A) Posts are sound, plumb and secure.
- (B) Wire is tight and securely fastened to the posts.
- (C) Stays are uniformly spaced and vertical between posts and affixed to keep the strands properly spaced.
- (D) Rock deadmen are properly secured to the fence.

- (E) Gates are free from deterioration, damage to structural sections or loose hardware.
- (F) Cattleguard pits are clean and functional. End wings securely fastened and serviceable. Guard and base in serviceable condition.

6. Fords and Low Water Crossings

- (A) There is a smooth transition between road and ford.
- (B) No excessive erosion adjacent to the structure.
- (C) The surface of the structure is clear of debris, brush, rocks and sediment.
- (D) Bottom of crossing is level with stream bottom.

7. Safety and Hazard Control

- (A) Sight distance free of shrubs, trees and obstacles and meets design standards.
- (B) Travel way and ditches free of overhanging trees and limbs. No down trees or branches in ditch area.
- (C) No unstable material above the roadway.

SECTION 4

ROAD RECLAMATION STANDARDS

1. Natural contours will be restored wherever practical. Roads with significant cuts will have fill material placed back onto cut sections using care not to mix topsoils with base material.
2. All road surfaces shall be ripped, scarified, or otherwise roughened as directed by BLM to insure increased water infiltration and a properly prepared seed bed.
3. All road berms will be removed and recontoured.
4. Waterbars will be used on all sloping surfaces as shown below:

<u>Grade</u>	<u>Spacing</u>
2%	200 ft. spacing
2-4%	100 ft. spacing
4-5%	75 ft. spacing
+5%	50 ft. spacing

5. Rehabilitated areas will be seeded as follows:

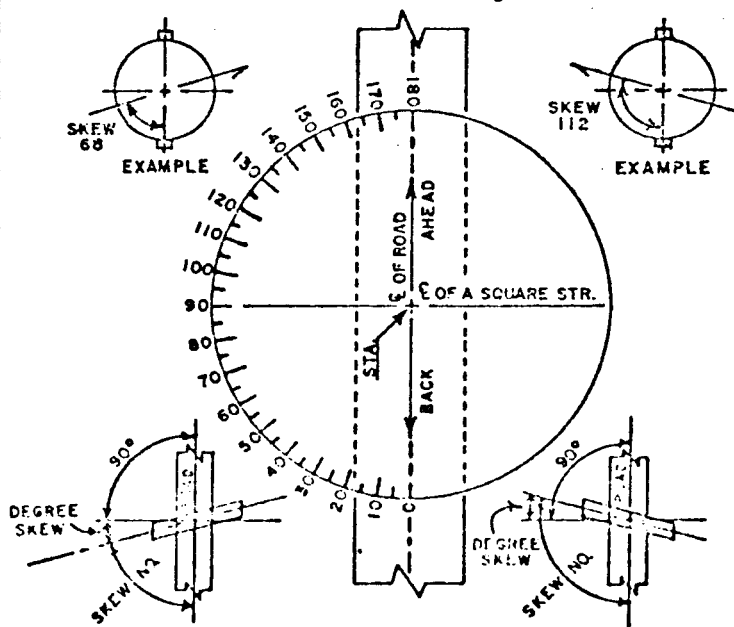
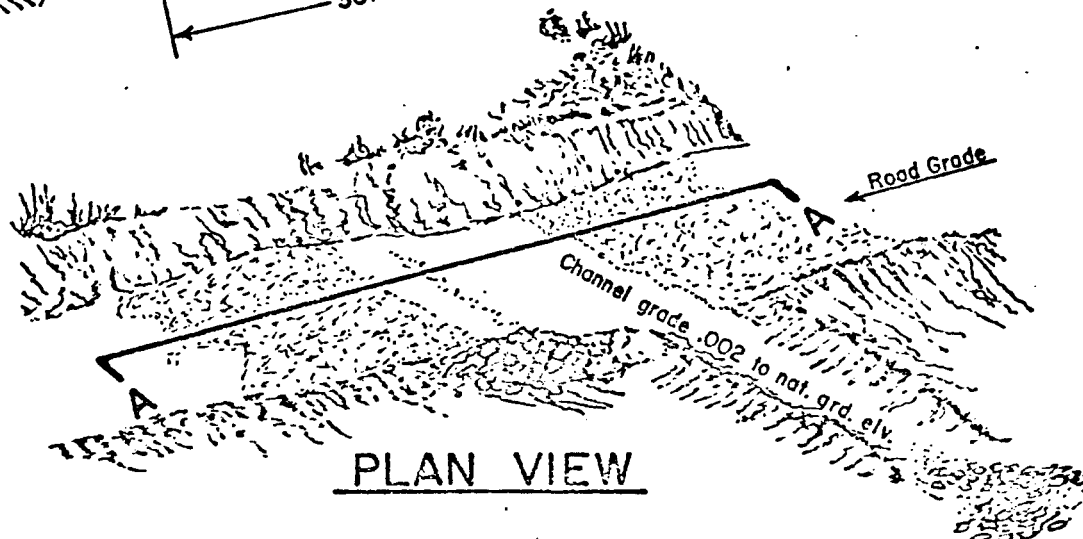
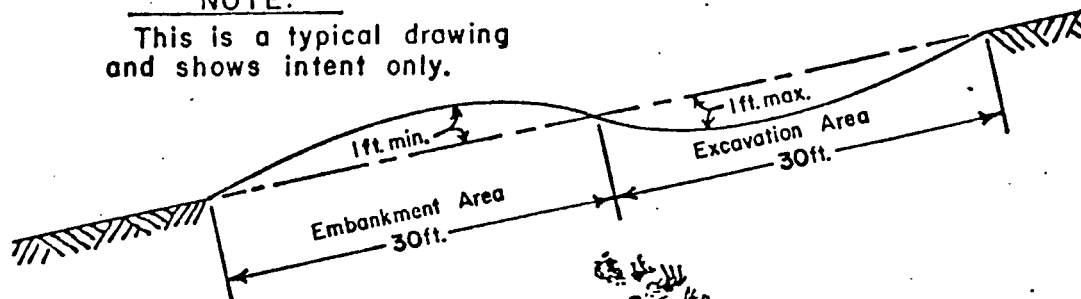
<u>Species</u>	<u>Rate*</u>
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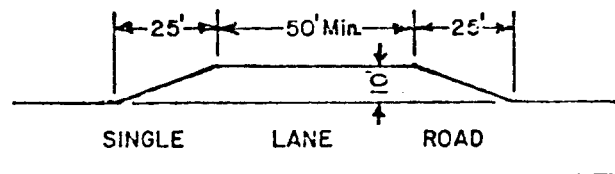
TYPICAL DRAINAGE DIP SECTION A-A

NOTE:

This is a typical drawing
and shows intent only.



SKIEW NUMBER DEFINITION
(Culverts and Drainage Dips)



TYPICAL TURNOUT

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

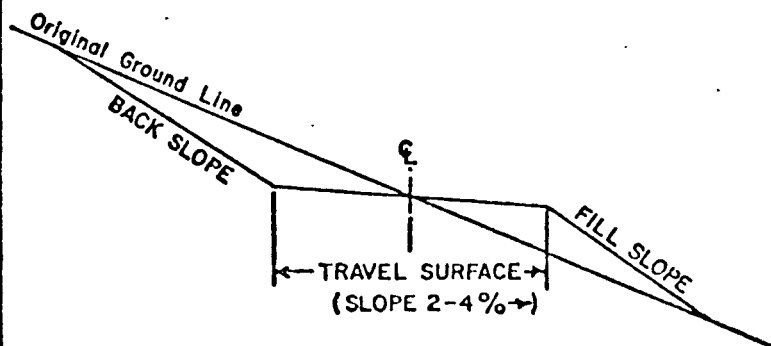
TYPICAL ROAD SECTIONS

DESIGNED <u>R.A.D.</u>	RECOMM. _____
DRAWN <u>J.H.S.</u>	RECOMM. <u>Robert G. Dallas</u>
CHECKED <u>RAD</u>	APPROVED <u>Robert G. Dallas</u>

SCALE: NONE
DATE <u>8-5-81</u> SHEET <u>1</u> OF <u>1</u>
DRAWING NO. _____

<u>Soil Conditions</u>	<u>Natural Ground Slope</u>	<u>Back Slope</u>
Normal Soil	0 - 30 %	1 1/2 : 1
Normal Soil	30 - 55 %	1 : 1
Normal Soil	55 % and over	3/4 : 1
Solid Rock	All Slopes	1/4 : 1

When the cuts are relatively shallow (under 4 feet), flatter slopes of 2 to 1 or 3 to 1 may be used.

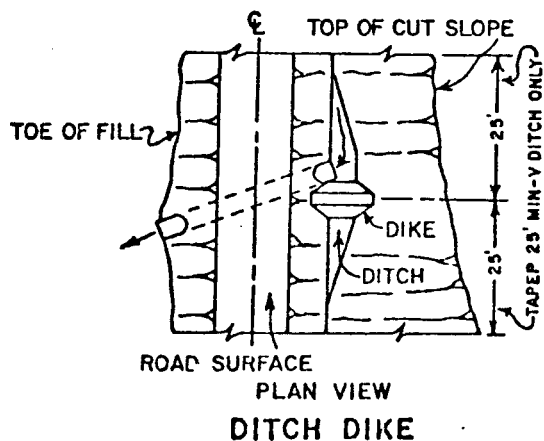
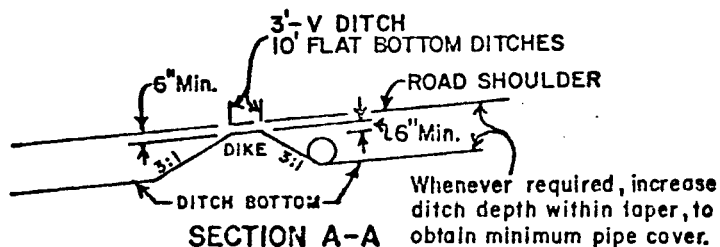
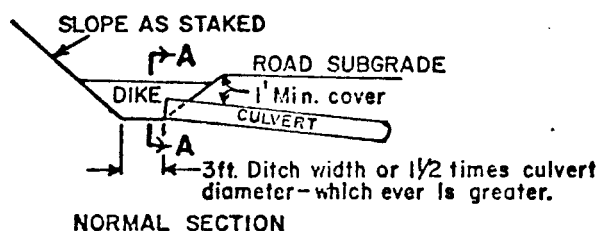
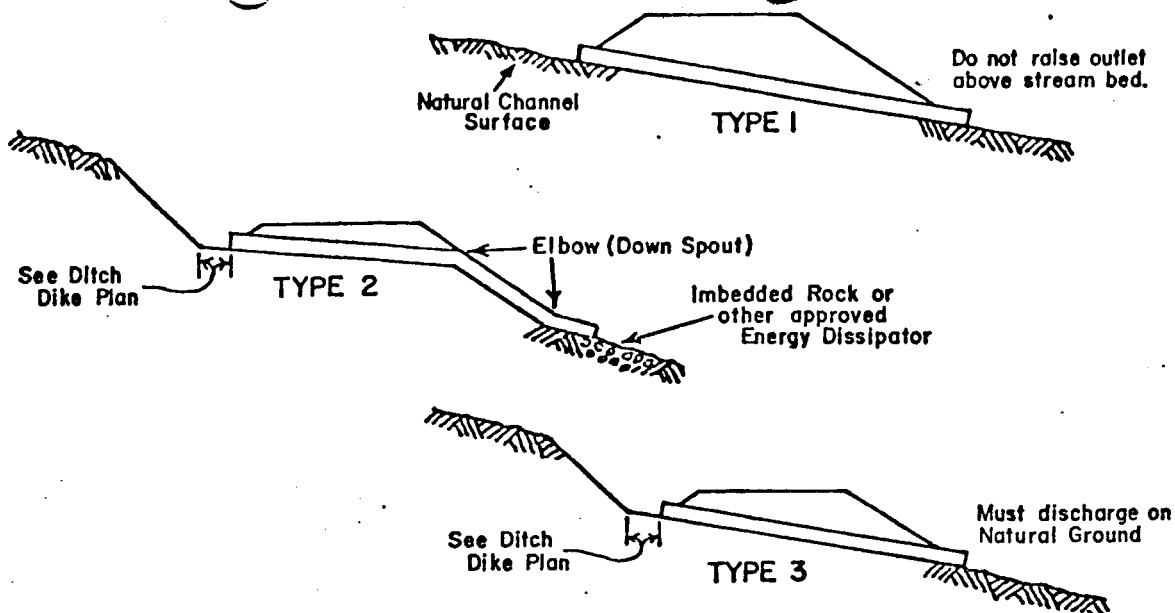


TYPICAL OUTSLOPED SECTION

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

TYPICAL ROAD SECTIONS (Class III)

DESIGNED <u>R.A.D.</u>	RECOMM. _____
DRAWN <u>J.H.S.</u>	RECOMM. <u>Robert W. Miller</u>
CHECKED <u>RAD</u>	APPROVED <u>[Signature]</u>
SCALE NONE	
DATE <u>8-5-81</u>	SHEET <u> </u> OF <u> </u>
DRAWING NO. _____	



U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

TYPICAL CULVERT INSTALLATIONS

DESIGNED R.A.D.	RECOMM. _____
DRAWN J.H.S.	RECOMM. <i>John H. S.</i>
CHECKED <i>ASD</i>	APPROVED <i>Chas. F. ...</i>
SCALE NONE	
DATE 8-5-81	SHEET ____ OF ____
DRAWING NO.	



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Grand Resource Area
P.O. Box M
Moab, Utah 84532

IN REPLY REFER TO
3100
(U-068)

SEP 28 1981

Memorandum

To: District Engineer
USGS Conservation Division
Federal Building 701
Camino Del-Rio
Durango, CO 81301

ATTN: Don Englishman

From: Area Manager, Grand

Subject: Union Oil Company of California
Well D-610 U-014903
Section 10, T. 30 S., R. 24 E.
San Juan County

RECEIVED
SEP 28 1981

On September 16, 1981 this office forwarded to your office our concurrence letter with special stipulations concerning the Union Oil well #D-610. At that time, it was assumed the nitrogen injection line would be covered under a separate BLM right-of-way. That decision has been modified and we request the attached supplemental stipulations for the nitrogen pipeline be included with the APD.

Your cooperation on this matter will be greatly appreciated.

Enclosure:
Supplemental Stipulations



Save Energy and You Serve America!

Supplemental Stipulations

Union Oil Company of California
Well D-610
Sec. 10, T. 30 S., R. 24 E.
U-014903

14. The pipeline will be installed on the surface of the ground.
15. The pipeline route will not be bladed with track equipment; exception will be made only where laying equipment access cannot be obtained without surface blading.
16. Existing pipeline routes will be used in most instances as discussed onsite.
17. All vegetative debris and any disturbed soil (i.e., road berms) will be redistributed over the pipeline route and reseeded as per road reclamation standards.
18. The electrical substation will be painted natural earth tones as specified by the BLM for the nitrogen plant.

FROM: : DISTRICT GEOLOGIST, ME, SALT LAKE CITY, UTAH

TO : DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-014903OPERATOR: UNION OIL CO. OF CALIFORNIAWELL NO. D-610LOCATION: W 1/2 NE 1/2 NE 1/4 sec. 10, T. 30S., R. 24E, SLMSAN JUAN County, UTAH

1. Stratigraphy:	WINGATE	SURFACE
	CUTLER	820'
	HERMOSA	2270'
	PARADOX	3975'
	PARADOX SALT	4300'
	BASE OF SALT	7255'
	MISSISSIPPIAN	7920'
	GURAY	8000'
	ELBERT	8120'
	MCCRACKEN	8260'
	ANETH	8360'
2. Fresh Water:	<u>TD</u>	<u>8420'</u>

FRESH WATER MAY BE ENCOUNTERED IN THE WINGATE SS. TO TOP OF CHINLE. ALSO
 USEABLE WATER MAY OCCUR IN CUTLER AND SHOULD BE PROTECTED FROM LOWER
 BRINES.

3. Leasable Minerals:

POTASH IS PROBABLE IN PARADOX FM TO 7255'

RECEIVED

JUL 20 1981

4. Additional Logs Needed: ADEQUATEU. S. GEOLOGICAL SURVEY
 DURANGO, COLO.

5. Potential Geologic Hazards: OPERATOR EXPECTS H₂S GAS IN MISSISSIPPIAN.
 NO OTHER HAZARDS ARE EXPECTED

6. References and Remarks:

Signature: David RuesterDate: 7-17-81

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different re-
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Gas Injection		7. UNIT AGREEMENT NAME Lisbon Unit
2. NAME OF OPERATOR Union Oil Company of California		8. FARM OR LEASE NAME Lisbon Unit
3. ADDRESS OF OPERATOR P. O. Box 2620 - Casper, WY 82602		9. WELL NO. C-93
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 765' FSL & 2105' FEL (SW SE)		10. FIELD AND POOL, OR WILDCAT Lisbon - Mississippian
14. PERMIT NO.		11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA Sec. 3, T.30S., R.24E.
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6786' G.L.		12. COUNTY OR PARISH San Juan
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐FULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☒ALTERING CASING ☐ABANDONMENT* ☒(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

8430' T.D.

Service unit. Casing pressure zero. Tubing pressure 350#. Bled tubing pressure to 20/20 mins. Picked up and worked tubing 5 hours pulling maximum 100,000#. Pumped 20 bbls. water down tubing and tubing loaded. Circulated down tubing and out casing with additional 50 bbls. water. Tubing stuck at approximately Baker Model "F" packer at 7540' by stretch.

Ran free-point tool to 6585'. Tool indicates 3-1/2" tubing free at 6550' and 100% stuck at 6585'. Worked tubing pulling from 55,000-85,000#/1/4 hours with no change. P.O.O.H. with free-point tool and ran 2-3/4" OD gage ring to packer at 7540'. with slight drag, 7444' to 7540'.

Ran Temperature and Spinner Survey, 7557-6000', while circulating tubing with 65 bbls. water at 3/4 bpm at 200#. Survey indicated fluid exit 7440' to 7515' with most of the fluid going out at 7440'. Ran pipe recovery log. Log indicates tubing 100% stuck, 6563-6712'; 100% to 85% stuck, 6712' to 6760'; and free with spots 70% stuck from 6760' to 7540'. P.O.O.H. with logging tool.

Spotted 100-sack cement Plug #1 in 7-5/8" casing from 7618-7810'.. Ran sinker bars and checked top of cement in 7-5/8" casing at 7618'.

(CONTINUED ON ATTACHED SHEET)

18. I hereby certify that the foregoing is true and correct

SIGNED R. G. Ladd, Jr.TITLE District Drilling Supt.DATE 11-23-76

(This space for Federal or State office use)

ED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Spotted 400 sack cement Plug #2 down 3-1/2" tubing from 6000' to holes in tubing at 7440' and 7440' to 5050', calculated fill in the 3-1/2" x 7-5/8" annulus.

Tubing full of water and casing on slight vac. after 19-hour shut in. Pumped 20 bbls water down 3-1/2" x 7-5/8" annulus to load, then pumped 14 bbls. water at 1 1/2 bpm at 300# down annulus with no change in tubing fluid level. Ran 2-3/4" OD gage ring with one 1-3/4" sinker bar to 3923' and set down. P.O.O.H. Ran 26' of 1-3/4" sinker bars to 3930' and set down. Worked down to 3986'. P.O.O.H. Ran 7' of 3/8" string shot rod, 1-11/16" collar locator, 12' of 1-3/8" sinker bars to 3983' and set down. Worked to 3996' with no sticking. P.O.O.H. Ran 30' of 1-3/4" sinker bars, jars w/1" chisel bottom to 3996' and set down. Worked down to 4002' with no sticking. P.O.O.H. Picked up and stretched tubing. Stretch indicates tubing stuck at approximately 6000'. S.D.O.N.

Ran 8' long 3/8" OD back-off string shot rod & 7/8" OD collar locator to 3923' and set down. Worked down hole to 3926'. P.O.O.H. Ran 30' of 1-3/4" sinker bars and set down at 3923'. Worked down to 4002'/1/2 hour with bars sticking at 4002'. P.O.O.H. Ran 7/8" sinker bars to 4002' and set down. P.O.O.H. Attempted to manually back off tubing without success. Checked tubing stuck point by stretch method and found tubing stuck at 4000'. Ran chemical cutter to 3920' and set down. Picked up and cut tubing at 3916'.

P.O.O.H. with tubing hanging up every joint approximately every 30', (Total 54 joints) then pulled free.

Ran 6-1/8" gage ring and junk basket on electric line to 2155' and set down. Picked up and bumped tools down twice with tools falling thru, O.K. Picked up and ran thru spot O.K. with two distinct kicks on collar locator 4' apart at 2155'-2159'. Ran tools to 3775' O.K. P.O.O.H. with no drag. Ran pipe recovery log to 3700', O.K. Log indicates casing 100% stuck, 1325-1350'; 60%, 1375-1400'; 40-60%, 1400-1430'; 40%, 1430-1450'; 100%, 1450-1467'; 40%, 1467-1475'; 100%, 1475-1485'; 40%, 1485-1535'; 85%, 1535-1540'; 40%, 1540-1715'; 90%, 1715-1720'; 100%, 1720-1730' and 30-70%, 1730-3700'. P.O.O.H. with logging tool O.K.

Ran Baker cement retainer on 3-1/2" tubing and set at 3686'. Pumped to formation above retainer at 4 bpm at 700# with 60 bbls. water. No returns out 13-3/8" casing. Set down and opened retainer. Pressured casing below retainer to 1500# 1/2 hour with no bleed off. Pulled stinger out of retainer and spotted 50-sx. Howco Lite-Wt. cement Plug #3 from 3686' to 3316'. Pulled tubing to 1824'. Cemented casing failure at 2155-2159' with 350 sacks cement at 4 bpm at 250#, gradually increased to 1000# with 410-sack cement Plug #4. S.D. 5 mins with no pressure bleed off. Reversed 8 bbls. cement to pit.

Perforated 7-5/8" casing at 1200' with 4 holes. Pumped 100 bbls. water down 7-5/8" casing and out 13-3/8" casing at surface. Ran cement retainer on 3-1/2" tubing & set at 1012'. Mixed and pumped 285 sacks cement down 3-1/2" tubing, displacing 240 sacks below retainer. Pulled out of retainer and dumped 35 sx. cement above retainer from 1012' to 822'. Calculated cement fill in 13-3/8" x 7-5/8" annulus is from 1200' to 745'. Pulled tubing to 120' and spotted 25-sack cement Plug #5 to surface. P.O.O.H. with tubing. Cut off 7-5/8" casing below slips. Welded cap on 13-3/8" casing. Installed dry hole marker.

Well plugged & abandoned 11-22-76.

CAUSE NO. UIC-006

Notice was sent to the following:

Newspaper Agency Corp.
San Juan Record - will publish 8/19

Union Oil Co. of California
P.O. Box 760
Moab, UT 84532

Ut. Dept. of Health
Bureau of Water Pollution Control
Room 410
150 West North Temple
SLC, UT 84103

BLM
P.O. Box 970
Moab, UT 84532
Attn: Tom Hare

MMS
Drawer 600
Farmington, N.M. 87401

MMS
2000 Administration Bldg.
1745 West 1700 South
SLC, UT 84104

US EPA
Region VIII
1860 Lincoln St.
Denver, CO 80295

P. Q. Frank
AUGUST 13, 1982

WELL COMPLETION RECORD

Mountain Area

Aviation **Northern Producing** District **Four Corners** Lease **NW Lisbon USA-C** Well No. **3**
 Acres **1538.25 (Net 919.12)** Lease No. **8848** Elevation Gr. **6786'** Elevation **6799'** Cellar Meas. **-**
 Sec. **3** Twp. **30S** Rge. **24E** Twp. Survey or Quadrange **SW SE** Parish County **San Juan** State **Utah**

Producing Formation **Mississippian**Top Formation **7572'**Bottom Formation **8031'**Top Pay **7810'**Bottom Pay **7880'**

PERFORATION DATA

Date Perforated **2-27-61**Formation Perforated **Mississippian**Perforated By **McCullough**No. Shots **104**Size Shots **2-1/16" Mac Jets**Top. Perforations **7810'**Btm. Perforations **7880'**

DEPTH

Extreme **Corr. TD 8430'**Completed **8042' PRTD**

DATE

Drilling Commenced **2-5-61**Drilling Completed **2-28-61**1st Prod. to Stk. **3-9-61**

Dry Hole

CASING RECORD

SIZE OD	SET AT
20"	25'
13-3/8"	1195'
7-5/8"	8291'
5-1/2" Liner	8213'-8406'

Test: Natural

Date **None**

Hrs. Tested _____ Bbls. Oil/Dist. _____ Bbls. Wtr. _____

MCF Gas _____ B.H. Pressure _____ How Produced _____

Gas/Oil Ratio _____ Corr. Gravity _____ Temp. _____ Csg. Press. _____ Tbg. Press. _____

Size Choke _____ Potential: Bbls. Oil/Dist. _____ Bbls. Wtr. _____ Remarks _____

ACID

Date Treated **2-27-61**Formation Treated **Mississippian**Treated By **Halliburton**Acid Used **5000** GallonsType & % of Acid **15% Low Tension**Acid in Formation **all**Bbls. Oil Load **36** Bbls. Wtr. Load **-**Top **7810'** Feet - Bottom **7880'** FeetType Packed Used **Baker Model "F"**Set At **7540'** Feet

SHOT

Date Shot **None**

Formation Shot _____

Shot By _____ Size Shell _____ Gly ☐Shot (Qts) _____ Powder ☐Top Shot _____ Solidified ☐

Btm. Shot _____

Tamp Fluid _____ Tamp Solid _____

Anchor _____

Cvgs in Hole After Shot _____

Test: After Acid or Shot

Date **3-9-61** Hrs. Tested **24** Bbls. Oil/Dist. **158** Bbls. Wtr. **0**MCF Gas **3351** B.H. Pressure _____ How Produced **Flowing**Gas/Oil Ratio **21.208** Corr. Gravity **71.0** Temp. **60°** Csg. Press. _____ Tbg. Press. **1725**Size Choke **2 1/4"** Potential: Bbls. Oil/Dist. **158** Bbls. Wtr. **0** Remarks _____Electrical Survey By **See below** to _____ Date _____

Electrical Survey By _____ to _____ Date _____

Drilled By **Loffland Brothers** with **Rotary** ToolsDrilled in By **Reams Well Servicing** with **Rotary & Snubbing Tools**I.P. for record **158 bbls Dist., 3351 MCF/D, no water - 24 hrs flowing.**

SPECIAL TESTS, PLUG BACK INFORMATION AND REMARKS:

NOTE: Attempted to re-complete well in the McCracken formation from 2-5-61 thru 2-28-61, but unsuccessful. Set Bridge Plug at 8050' with 8' of cement on top of plug, PRTD 8042'. Well is now able to produce from the Mississippian Formation only, but is shut in due to State of Utah Allowable Regulations and no market outlet for the gas.

Electrical Surveys: Schlumberger to 5915' on 8-20-60.
 Schlumberger to 8284' on 9-9-60.
 McCullough to 8251' on 9-12-60.
 Schlumberger to 8430' on 9-17-60.
 Lane-Wells to 8430' on 2-11-61.

Perforated as follows: (Mississippian)

7810' - 7826' - 4 shots per foot.

7870' - 7880' - 4 shots per foot.

ORIGINAL SIGNED
 W. W. WEIR

Signed _____

District Superintendent

LABORATORY LOCATION **Casper** API WATER ANALYSIS REPORT FORMDATE **February 6, 1975**LAB NO. **CL 4882**

Company Union Oil of California		Sample No. 35512		Date Sampled 1-25-75	
Field Lisbon		Legal Description		County or Parish San Juan	State N. Mex
Lease or Unit Lisbon	Well B624	Depth	Formation Mississippian	Water, B/D	
Type of Water (Produced, Supply, etc.) Disposed water		Sampling Point		Sampled By Ruttinger	

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na (calc.)	<u>26473</u>	<u>1151</u>
Calcium, Ca	<u>4200</u>	<u>210</u>
Magnesium, Mg	<u>120</u>	<u>10</u>
Barium, Ba		

ANIONS

Chloride, Cl	<u>46500</u>	<u>1329</u>
Sulfate, SO ₄	<u>925</u>	<u>19</u>
Carbonate, CO ₃	<u>0</u>	
Bicarbonate, HCO ₃	<u>1400</u>	<u>23</u>

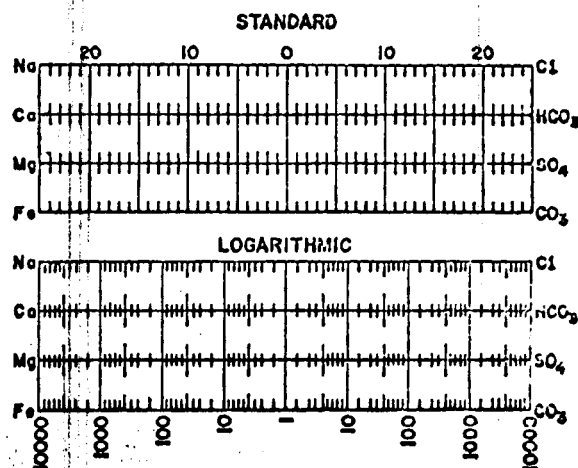
Total Dissolved Solids (calc.)

Iron, Fe (total) 450
 Sulfide, as H₂S present strong

OTHER PROPERTIES

pH	<u>6.4</u>
Specific Gravity, 60/60 F.	<u>1.055</u>
Resistivity (ohm-meters) _____ F.	
<u>SI @ 145°F</u>	<u>+1.5</u>

WATER PATTERNS — me/l



REMARKS & RECOMMENDATIONS:

NOTICE OF SPUD

CONDUCTOR RAT HOLE

Company: Union Oil of California

Caller: Peg Dill

Phone: 307 234-1563

Well Number: D-610

Location: 10 30S 24E

County: San Juan State: Utah

Lease Number: U-014903

Lease Expiration Date: _____

Unit Name (If Applicable): Lisbon

Date & Time Spudded: January 14, 1982 3 p.m.

Dry Hole Spudder/Rotary: -

Details of Spud (Hole, Casing, Cement, etc.) Roberts Rat Hole Drilling
Inc. 20" hole; 40'0 16" conductor pipe @ 50'; 10 sacks of cement

Rotary Rig Name & Number: _____

Approximate Date Rotary Moves In: _____

FOLLOW WITH SUNDRY NOTICE

Call Received By: al

Date: 1/15/82

✓ State O&G
USGS, Vernal
MER
Dee
file

AFFIDAVIT OF PUBLICATION

PUBLIC NOTICE

BEFORE THE DIVISION OF OIL,
GAS AND MINING, Room 4241
State Office Building, Salt Lake
City, Utah 84114.

IN THE MATTER OF THE
APPLICATION OF UNION OIL
COMPANY OF CALIFORNIA
FOR ADMINISTRATIVE AP-
PROVAL TO INJECT NITROGEN
INTO A WELL LOCATED IN
TOWNSHIP 30 SOUTH, RANGE
24 EAST, SAN JUAN COUNTY,
UTAH.

CAUSE NO. UIC-006

NOTICE

THE STATE OF UTAH TO ALL
PERSONS, OWNERS, PRODUC-
ERS, OPERATORS, PURCHAS-
ERS AND TAKERS OF OIL AND
GAS AND ALL OTHER INTER-
ESTED PERSONS, PARTICU-
LARLY IN SAN JUAN COUNTY,
UTAH:

NOTICE IS HEREBY GIVEN
that Union Oil Company of
California, P.O. Box 760, Moab,
Utah 84532, is requesting that the
Division authorize the approval
to inject nitrogen into the well
described below.

Township 30 South, Range 24 East
#D-610 Section 10 NENE
DEPTH OF INJECTION: 7,480
to 7,570 feet.

INJECTION ZONE: Mississip-
pian Limestone.

MAXIMUM INJECTION PRES-
SURE: 3,000 psi.

This application will be granted
unless objections are filed with
the Division of Oil, Gas and
Mining within fifteen (15) days
after publication of this Notice.
Objections if any, should be
mailed to: Division of Oil, Gas
and Mining, Room 4241 State
Office Building, Salt Lake City,
Utah, 84114.

STATE OF UTAH

DIVISION OF OIL, GAS AND
MINING

s/ Paula J. Frank

PAULA J. FRANK

Secretary of the Board

Published in The San Juan Record
August 19, 1982.

I, Joyce Martir being duly sworn,

depose and say that I am the publisher of the San
Juan Record, a weekly newspaper of general circulation
published at Monticello, Utah, every Thursday; that
notice of Cause No. UIC-006

a copy of which is hereunto attached, was published in
the regular and entire issue of each number of said
newspaper for a period of One issues, the first
publication having been made on _____
and the last publication having been made on August
Nineteen

Signature

Joyce A. Martir
Publisher

Subscribed and sworn to before me this Nineteenth
day of August, A.D. 1981.

Anthony Barr
Notary Public
Residing at Monticello, Utah

My commission expires May 17, 1986

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☐ other ☒ Gas Injection

2. NAME OF OPERATOR
Union Oil Company of California

3. ADDRESS OF OPERATOR
P. O. Box 2620 - Casper, WY 82602-2620

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 565' FNL & 964' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>
(other) <u>SPUD NOTICE (CONDUCTOR)</u>		

5. LEASE
U-014903

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Lisbon Unit

8. FARM OR LEASE NAME
Lisbon Unit

9. WELL NO.
D-610

10. FIELD OR WILDCAT NAME
Lisbon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 10, T.30S., R.24E.

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

14. API NO.
43-037-30694

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6821' GR (Ungraded)

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

MIRU Roberts Rat Hole Drilling Company's rat-hole machine. Spudded 20" hole at 3:00 p.m., 1-14-82. Ran and cemented 40' of 16" conductor pipe at 50' with 10 sacks of cement. C.I.P. & J.C. at 5:00 p.m., 1-14-82.

Waiting on rotary rig.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED R. G. Ladd, Jr. TITLE District Drilling Superintendent DATE 1-15-82

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: UNION OIL COMPANY OF CALIFORNIA

WELL NAME: LISBON UNIT D-610

SECTION NENE 10 TOWNSHIP 30S RANGE 24E COUNTY SAN JUAN

DRILLING CONTRACTOR LOFFLAND DRILLING COMPANY

RIG # 5

SPUDDED: DATE 2-7-82

TIME 6:30 AM

HOW Rotary

DRILLING WILL COMMENCE _____

REPORTED BY Peg

TELEPHONE # 307-234-1563

DATE 2-8-82 SIGNED DB

NOTICE OF SPUD

Company: Union Oil Co.
Caller: Reg.
Phone: _____

Well Number: Lisbon D-610

Location: Sec. 10- 30S- 24E

County: San Juan State: Utah

Lease Number: U- 014903

Lease Expiration Date: _____

Unit Name (If Applicable): _____

Date & Time Spudded: 6:30 AM 2-7-82

Dry Hole Spudder/Rotary: _____

Details of Spud (Hole, Casing, Cement, etc.) no casing yet
at 454'

Rotary Rig Name & Number: Loffland #5

Approximate Date Rotary Moves In: _____

FOLLOW WITH SUNDRY NOTICE

Call Received By: Al Lais

Date: 2-8-82

RECEIVED

FEB 09 1982

DIVISION OF
OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☐ other ☒ Gas Injection

2. NAME OF OPERATOR
Union Oil Company of California

3. ADDRESS OF OPERATOR
P. O. Box 2620 - Casper, WY 82602-2620

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 565' FNL & 964' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>
(other) <u>SUPPLEMENTARY WELL HISTORY</u>		

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

MIRU Loffland Bros. Company's rotary rig #5 and resumed drilling at 6:30 a.m., 2-7-82. Drilled 12-1/4" hole to 1,025'. Circulated and conditioned hole for casing.

Ran and cemented 25 joints and 1 piece (1,005') of 9-5/8", 36#, K-55, ST&C, 8RD, new, seamless casing at 1,025' with 600 sacks of cement. Displaced with 74 bbls. of water. Bumped plug with 1000#. Circulated 50 sacks of cement to surface. Released pressure and float held O.K. C.I.P. & J.C. at 6:00 p.m., 2-10-82. W.O.C.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED R. G. Ladd, Jr. TITLE District Drilling Superintendent DATE 2-11-82

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well ☐ gas well ☐ other ☒ Gas Injection

2. NAME OF OPERATOR
Union Oil Company of California

3. ADDRESS OF OPERATOR
P. O. Box 2620 - Casper, WY 82602-2620

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 565' FNL & 964' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐

SUBSEQUENT REPORT OF:

(other) ☒ SUPPLEMENTARY WELL HISTORY

5. LEASE
U-014903

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Lisbon Unit

8. FARM OR LEASE NAME
Lisbon Unit

9. WELL NO.
D-610

10. FIELD OR WILDCAT NAME
Lisbon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 10, T.30S., R.24E.

12. COUNTY OR PARISH 13. STATE
San Juan Utah

14. API NO.
43-037-30694

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6821' GR (Ungraded)

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give surface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Drilling ahead at 4,085'

OIL, GAS, & MINING
DIVISION OF

FEB 26 1982

RECEIVED

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED R. G. Ladd, Jr. TITLE District Drilling Superintendent DATE 2-23-82

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329-1)
(2/78)

OMB 42-R0356

MONTHLY REPORT
OF
OPERATIONS
(Continued)

Lease No. U-07003
Communitization Agreement No. NA
Field Name Lisbon
Unit Name Lisbon Unit
Participating Area NA
County San Juan State Utah
Operator Union Oil Company of California

☐ Amended Report

Page 2 of 2

The following is a correct report of operations and production (including status of all unplugged wells) for the month of February, 19 82

(See Reverse of Form 9-329 for instructions)

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
D-610	Sec 10 NE NE	30S	24E	DRG					MIRU Roberts rat-hole machine. Spudded 20" hole at 3:00 p.m., 1-14-82. Ran and cemented 16" conductor pipe at 50' with 10 sx. cement. WORT. MIRU rotary rig and resumed drilling on 2-7-82. Ran and cemented 9-5/8" casing at 1025' with 600 sx cement. C.I.P. 8 J.C. at 6:00 p.m. 2-10-82. W.O.C. 2-28-82: Drilling ahead at 5689'.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☐ other ☒ Gas Injection

2. NAME OF OPERATOR

Union Oil Company of California

3. ADDRESS OF OPERATOR

P. O. Box 2620 - Casper, WY 82602-2620

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 565' FNL & 964' FEL

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐

SUBSEQUENT REPORT OF:

☐
☐
☐
☐
☐
☐
☐
☐

(other) SUPPLEMENTARY WELL HISTORY

RECEIVED
MAR 25 1982

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

**DIVISION OF
OIL, GAS & MINING**

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Only give all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Drilled to 8,510' T.D. at 5:45 p.m., 3-17-82. Circulated and conditioned hole. Ran FDC-CNL with GR & Caliper, DLL w/MSFL, Integrated BHC Sonic, and HDT Dipmeter. Circulated.

Ran and cemented 209 joints and 1 piece (8,488.79') of 5-1/2", 17# & 20#, L-80 & K-55, LT&C & ST&C, 8RD, new, seamless casing at 8,510' (float collar at 8,464' & DV tool at 7,347') with 1,900 sacks of cement in two stages. Preceded first stage with 800 gallons of mud flush and displaced with 26 bbls. of water plus 167 bbls. of mud. Preceded second stage with 800 gallons of mud flush and displaced with 167 bbls. of fresh water with full returns throughout at 0-2000#. Bumped and closed DV tool with 3000#. J.C. & C.I.P. at 9:05 a.m., 3-21-82. N.D. BOP, set slips, and cut off casing. Released rig at 8:00 p.m., 3-21-82. M.O.R.T. Waiting on completion unit.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED

R. G. Ladd, Jr.

TITLE District Drilling Superintendent

DATE

3-22-82

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329-1)
(2/76)

OMB 42-R0356

MONTHLY REPORT
OF
OPERATIONS
(Continued)

Lease No. U 14903
Communitization Agreement No. NA
Field Name Lisbon
Unit Name Lisbon Unit
Participating Area NA
County San Juan State Utah
Operator Union Oil Company of California

☐ Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of March, 19 82

(See Reverse of Form 9-329 for Instructions)

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
D-610	Sec 10 NE NE	30S	24E	WOCU					<p>Drilled to 8,510' T.D. on 3-17-82. Circulated and conditioned hole. Ran FDC-CNL with GR & Caliper, DLL w/MSFL, Integrated BHC Sonic, & HDT Dipmeter. Circ.</p> <p>Ran and cemented 5-1/2" casing at 8,510' with 1,900 sacks of cement. J.C. & C.I.P. at 9:05 a.m., 3-21-82. M.O.R.T.</p> <p>Waiting on completion unit.</p>

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

(FORM 9-329)

(2/76)

OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No. 14903
Communitization Agreement No. NA
Field Name Lisbon
Unit Name Lisbon Unit
Participating Area NA
County San Juan State Utah
Operator Union Oil Company of California
☐ Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of February, 19 82

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
D-610	Sec. 10 NE NE	30S	24E	DRG					SEE ATTACHED

RECEIVED

APR 05 1982

DIVISION OF
OIL, GAS & MINING

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	None	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced	None	None	None
*Sold	None	None	XXXXXXXXXXXXXXXXXX
*Spilled or Lost	None	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX	None	XXXXXXXXXXXXXXXXXX
*Used on Lease	None	None	XXXXXXXXXXXXXXXXXX
*Injected	None	None	None
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	None
*Other (Identify)	None	None	None
*On hand, End of Month	None	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	None	None	XXXXXXXXXXXXXXXXXX

Authorized Signature: James R. Harker Address: P.O. Box 2620 Casper, Wyoming 82602

Title: District Clerical Supervisor Page 1 of 2

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well gas ☐ well other ☐ Gas Injection

2. NAME OF OPERATOR
Union Oil Company of California

3. ADDRESS OF OPERATOR
P. O. Box 2620 - Casper, WY 82602-2620

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 565' FNL & 964' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH: Straight Hole

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐

(other) ☐ SUPPLEMENTARY WELL HISTORY

SUBSEQUENT REPORT OF:

APR 27 1982

DIVISION OF
OIL, GAS & MINING

5. LEASE

U-014903

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Lisbon Unit

8. FARM OR LEASE NAME

Lisbon Unit

9. WELL NO.

D-610

10. FIELD OR WILDCAT NAME

Lisbon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 10, T.30S., R.24E.

12. COUNTY OR PARISH 13. STATE
San Juan Utah

14. API NO.
43-037-30694

ELEVATIONS (SHOW DF, KDB, AND WD)
8,510' GR (Ungraded)

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

8,510' T.D.

MIRU completion unit on 3-31-82. N.U. wellhead and installed BOP. Tested to 1500#, O.K. P.U. 4-5/8" bit on 2-7/8" tubing. TIH to top of cement at 7,325'. Drilled cement and DV tool to 7,348' 3/4 hours. Tested casing to 1500#, O.K. Ran in and tagged cement at 8,445'. Drilled cement and float collar to 8,490' ETD. Tested to 2000#, O.K. Displaced hole with formation water. Pressure tested casing to 3000#, O.K. Spotted 150 gallons of regular HCl acid with NE & LST additives, double inhibited, from 8,480-8,320'. POOH with tubing and bit.

(CONTINUED ON ATTACHED SHEET)

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED R. G. Ladd, Jr. TITLE District Drilling Superintendent DATE 4-20-82

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

U.S. Geological Survey
Form 9-331

Union Oil Company of California
Lisbon Unit Well No. D-610
San Juan County, Utah
4-20-82
Page 2

Perforated Aneth formation, 8,436-8,472', with 2 spf. F.L. steady at 960'. Ran and landed 2-7/8" tubing at 8,339' with packer at 8,331' and seating nipple at 8,330'. N.D. BOP and N.U. wellhead. Swabbed and flow tested. Recovered load.

SITP 1900#/66 hours. Bled pressure to zero/1-1/2 hours with no fluid to surface. No H₂S. Checked F.L. with swab at 6,700', 1,600' rise/66 hours. Swabbed F.L. to seating nipple in 2 swab runs. Recovered a very small amount of green oil on first swab run. Swabbed 12 bbls. fluid with trace of oil in 10 hours. No fluid recovery last 2 hours. No H₂S. Good gas blow with tubing dry. Left well open on 10/64" choke overnight.

Well flowing dry gas in a.m. with 10 ppm H₂S. Checked F.L. at 8,000', 330' rise in 13-1/2 hours. Made one swab run and recovered 1/4 bbl. of water with trace of oil. Treated Aneth perforations, 8,436-8,472', with 3,000 gallons of regular 15% HCl acid with NE & LST additives and 72 ball sealers as follows: Pumped 500 gallons of acid at 5-1/2 bpm at 100#. Pumped 500 gallons with 2 balls/bbl. acid at 5-1/2 bpm at 100#. Pumped 2,000 gallons with 1 ball /bbl. acid. Tubing loaded after pumping 47-1/2 bbls. of acid. Treated at 1/4 to 1-3/4 bpm at 1800-2000-1900-2000-1800-1900#. Displaced with fresh water. ISDP 1700#. 1200#/1. 800#/5. 200#/15 mins. Total load 122 bbls. of acid and water. Swabbed and flow tested. Recovered 105 bbls. of 122 bbl. load/7 hours.

Flow tested. Rate stable at 550 MCFD at 980# FTP from 7:00 a.m. until 12:00 noon, 4-15-82. Tubing pressure dropped and well unloaded 5 bbls. of condensate and no water. After unloading condensate, flowing tubing pressure increased to 1075 psi and flow rate at 528 MCFD. FTP slowly dropped to 980# and rate to 450 MCFD. Rate and tubing pressure stable at 980# and 450 MCFD at 7:00 a.m., 4-16-82, on 12/64" adjustable choke. Testing.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329-1)
(2/76)

OMB 42-R0356

MONTHLY REPORT
OF
OPERATIONS
(Continued)

Lease No. U-64903
Communitization Agreement No. NA
Field Name Lisbon
Unit Name Lisbon Unit
Participating Area NA
County San Juan State Utah
Operator Union Oil Company of California

☐ Amended Report

Page #3 of 3

The following is a correct report of operations and production (including status of all unplugged wells) for the month of April, 19 82

(See Reverse of Form 9-329 for Instructions)

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
D-610	Sec 10 NE NE	30S	24E	Completing					<p>55 bbls. formation water down tubing and T.P. 0#. Released packer. Loaded hole with 40 bbls. water. POOH with tubing & packer. Ran & set 5-1/2" cast iron bridge plug on electric line at 8,400'. Spotted cement with dump bailer from 8,393' ETD to 8,400'.</p> <p>Perforated McCracken, 8,085-8,089' and 8,112-8,143'. Ran and landed 2-7/8" tubing at 7,988' with packer at 7,982' and S.N. at 7,981'. SDON.</p> <p>SITP 0#/11 hours. Swabbed and flowed Recovered water load. Testing.</p>

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329-1)
(2/76)

OMB 42-R0356

MONTHLY REPORT
OF
OPERATIONS
(Continued)

Lease No. U-0143
Communitization Agreement No. NA
Field Name Lisbon
Unit Name Lisbon Unit
Participating Area NA
County San Juan State Utah
Operator Union Oil Company of California

☐ Amended Report Page # 2 of 3

The following is a correct report of operations and production (including status of all unplugged wells) for the month of April, 19 82

(See Reverse of Form 9-329 for Instructions)

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
D-610	Sec 10 NE NE	30S	24E	Completing					<p>MIRU completion unit. Drilled cement, DV tool, and float collar to 8,490' ETD. Displaced hole with formation water. Spotted 150 gals. regular HCl acid from 8,480-8,320'. POOH.</p> <p>Perforated Aneth formation from 8,436-8,472' with 2 spf. Ran and landed 2-7/8" tbg. at 8,339' w/packer at 8,331', and S.N. at 8,330'. Swab and flow tested. Recovered load. Treated Aneth perfs with 3,000 gals. reg. 15% HCl acid and 72 ball sealers. Displaced with fresh water. ISDP 1700#. 800#/5. 200#/15 mins. Swabbed and flow tested. Recovered 105 bbls. of 122 bbl. load/7 hrs. Tested. S.I.</p> <p>SITP 1550#/59 hrs. C.P. 210#. Pmpd. (Cont'd on Next Pg</p>

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329)
(2/76)
OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No. U-014903
Communitization Agreement No. NA
Field Name Lisbon
Unit Name Lisbon Unit
Participating Area NA
County San Juan State Utah
Operator Union Oil Company of California
☐ Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of April, 19 82

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
D-610	Sec. 10 NE NE	30S	24E	COMPLETING					SEE ATTACHED

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLS)	Gas (MCF)	Water (BBLS)
*On hand, Start of Month	None	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced	None	None	None
*Sold	None	None	XXXXXXXXXXXXXXXXXX
*Spilled or Lost	None	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX	None	XXXXXXXXXXXXXXXXXX
*Used on Lease	None	None	XXXXXXXXXXXXXXXXXX
*Injected	None	None	None
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	None
*Other (Identify)	None	None	None
*On hand, End of Month	None	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	None	None	XXXXXXXXXXXXXXXXXX

Authorized Signature: James R. Harper 108 Address: P.O. Box 2620 Casper, Wyoming 82602
Title: District Clerical Supervisor Page 1 of 3

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329)
(2/76)
OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No. U-014903
Communitization Agreement No. NA
Field Name Lisbon
Unit Name Lisbon Unit
Participating Area NA
County San Juan State Utah
Operator Union Oil Company of California
☐ Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of March, 19 82

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
D-610	Sec. 10 NE NE	30S	24E	WOCU					SEE ATTACHED

RECEIVED
MAY 05 1982
DIVISION OF
OIL, GAS & MINING

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	None	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced	None	None	None
*Sold	None	None	XXXXXXXXXXXXXXXXXX
*Spilled or Lost	None	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX	None	XXXXXXXXXXXXXXXXXX
*Used on Lease	None	None	XXXXXXXXXXXXXXXXXX
*Injected	None	None	None
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	None
*Other (Identify)	None	None	None
*On hand, End of Month	None	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	None	None	XXXXXXXXXXXXXXXXXX

Authorized Signature: James R. Hooper

Address: P.O. Box 2620 Casper, Wyoming 82602

Title: District Clerical Supervisor 108

Page 1 of 2

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well ☐ gas well ☐ other ☒ Gas Injection

2. NAME OF OPERATOR

Union Oil Company of California

3. ADDRESS OF OPERATOR

P. O. Box 2620 - Casper, WY 82602-2620

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 565' FNL & 964' FEL

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH: Straight Hole

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON* ☐

(other) SUPPLEMENTARY WELL HISTORY ☐

SUBSEQUENT REPORT OF:

☐ DIVISION OF
OIL, GAS & MINING
MAY 16 1982

5. LEASE
U-014903

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Lisbon Unit

8. FARM OR LEASE NAME

Lisbon Unit

9. WELL NO.

D-610

10. FIELD OR WILDCAT NAME

Lisbon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 10, T.30S., R.24E.

12. COUNTY OR PARISH 13. STATE
San Juan Utah

14. API NO.

43-037-30694

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6821' GR (Ungraded)

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

8,510' T.D.

Tested Aneth formation. Flowed 622 MCFD + 4 bbls. condensate + 8 bbls. of water in 24 hours through 16/64" choke at 810# FTP on 4-22-82. S.I.

SITP 1550#/59 hours. SICP 210#/59 hours. Pumped 55 bbls. of formation water down tubing. T.P. 0#. Released packer. Loaded hole with 40 bbls. of water. POOH with tubing and packer. Ran and set 5-1/2" cast-iron bridge plug at 8,400'. Spotted cement with dump bailer from 8,393-8,400'.

(CONTINUED ON ATTACHED SHEET)

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED R. G. Ladd, Jr. TITLE District Drilling Superintendent DATE 5-12-82

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

U.S. Geological Survey
Form No. 9-331

Union Oil Company of California
Lisbon Unit Well No. D-610
San Juan County, Utah
5-12-82
Page 2 of 3

Perforated McCracken formation from 8,085-8,089' and 8,112-8,143' with 4 spf. F.L. dropped 400' while perforating. Ran and landed 2-7/8" tubing at 7,987.71', packer at 7,981.67', and seating nipple at 7,980.59'. N.D. BOP. Set packer with 20,000# compression. N.U. wellhead. Pressured annulus to 600# - O.K. SION.

SITP 0#/11 hours. Checked F.L. at 300'. Swabbed 54 bbls. of water with no oil cut and show of gas/2-1/2 hours. F.L. 300-6600' and well kicked off flowing. Flowed 2 bbls. of water with black trace of oil in 6 hours on 1" choke at 0-80# FTP. Recovered 56 of 48-1/2 BWL. SITP 720#/1 hour. Flowed well through separator on 1" choke with FTP decreasing to 75#/1-1/4 hours. Rate stabilized at 332 MCFD on 1" choke. FTP 75#. Recovered dry gas.

Killed McCracken zone down 2-7/8" tubing with 50-1/2 bbls. of produced water at 2000-3100-0#. N.D. Xtree. Released packer. N.U. BOP. POOH with tubing and packer. Set 5-1/2" cement retainer at 8,054'. Stung into retainer at 8,054'. Pressure tested annulus to 2500#/15 mins. - O.K. Established injection rate of 3.3 bpm at 2750#. Pumped 150 sacks of class "B" cement with 0.2% HR-5, mixed at 15.6 ppg, at 2 bpm to 1/2 bpm with pressure increasing from 1700# to 3000# with 134 sacks in formation. ISIP 2650#. Waited 2 mins. and pumped 1/4 bbl. at 3000#. ISIP 2750#. Stung out of retainer. P.U. 10' and reversed out 16 sacks of cement (3.3 bbls.) with 170 bbls. of 2% KCl water. POOH with tubing. S.D.

Perforated Elbert zone from 7,888-7,892', 7,899-7,901', 7,920-7,928', and 7,958-7,962' with 2 spf. F.L. 720' with no change. Ran and landed 2-7/8" tubing at 7,797.66', packer at 7,791.62', and seating nipple at 7,790.54'. N.D. BOP & N.U. Xtree. Swabbed 44 bbls. of fluid cut 0% oil and no gas show/2 hours. F.L. 720-7800' and steady last hour. SION.

SITP 0#. SICP 100#. Checked F.L. with swab at 5500' (2300' rise/13-1/2 hours). Swabbed 9 bbls. fluid cut trace to 1% heavy green oil/2 hours. F.L. 5500-7800' and steady last hour. Had very weak, sweet gas show. Recovered water load. Treated Elbert formation perforations with 2,000 gallons of regular 15% HCl acid with NE & LST additives, clay suspender, and pH control additive in four 500-gallon stages and 50 ball sealers at 1/4 to 4 bpm at 4500-5100-4500#. ISDP 3700#. 3000#/15 mins. Bled pressure to zero immediately. Swabbed 90 BLW cut 0-5% green oil/5 hours with good gas blow continuing after swab run. F.L. surface to 7800' then scattered.

U.S. Geological Survey
Form No. 9-331

Union Oil Company of California
Lisbon Unit Well No. D-610
San Juan County, Utah
5-12-82
Page 3 of 3

Left well open on 8/64" choke for 13 hours. No fluid to surface. Well gassing slightly. Had 2600' fluid rise/13 hours. F.L. 5200'. Swabbed 45 BO with good gas show in 6 hours. Acidized Elbert perforations with 1,000 gallons of 15% HCl acid, double inhibited, with NE & LST additives and 48 ball sealers, injecting 2 balls per barrel of acid pumped, at 3.8 to 5 bpm at 4400-5600-4000#. Good ball action. ISDP 3600#. 500#/15 mins. Swabbed 73 bbls. fluid cut 0-4% oil with good gas blow in 4-1/2 hours. Recovered water load. Left well open on 8/64" choke overnight.

Well flowing dry gas in a.m. on 8/64" choke. FTP - very weak blow. No fluid to surface overnight. Checked F.L. at 5,000' (2,800' rise/12 hrs.). Swabbed 28 BO with good gas blow during swab run and continued after swab run with no water cut/11 hours. F.L. 5,000-7,400' and steady last 10 hrs.

Rigged down and released unit on 5-10-82. Evaluating.

Note: Received verbal approval to abandon the Aneth and McCracken zones from Mr. Bob Hendricks, Minerals Management Service, Salt Lake City, Utah, on 4-29-82.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329-1)
(2/76)

OMB 42-R0356

MONTHLY REPORT
OF
OPERATIONS
(Continued)

Lease No. U-0145
Communitization Agreement No. NA
Field Name Lisbon
Unit Name Lisbon Unit
Participating Area NA
County San Juan State Utah
Operator Union Oil Company of California

☐ Amended Report Page # 3 of 3

The following is a correct report of operations and production (including status of all unplugged wells) for the month of May, 19 82

(See Reverse of Form 9-329 for instructions)

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
D-610	Sec 10 NE NE	30S	24E	Completing					Acidized Elbert perforations with 1,000 gals. 15% HCl acid, double inhibited, with NE & LST additives and 48 ball sealers, injecting 2 balls per barrel of acid pumped at 3.8 to 5 bpm at 4400-5600-4000#. Good ball action. ISDP 3600#. 500#/15 mins. Swabbed 73 bbls. fluid cut 0-4% oil with good gas blow in 4-1/2 hrs. Recovered water load. R.D. and released unit on 5-10-82. Evaluating.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329-1)
(2/75)

OMB 42-R0356

MONTHLY REPORT
OF
OPERATIONS
(Continued)

Lease No. 003
Communitization Agreement No. NA
Field Name Lisbon
Unit Name Lisbon Unit
Participating Area NA
County San Juan State Utah
Operator Union Oil Company of California

☐ Amended Report Page #2 of 3

The following is a correct report of operations and production (including status of all unplugged wells) for the month of May, 19 82

(See Reverse of Form 9-329 for instructions)

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
D-610	Sec 10 NE NE	30S	24E	Completing					<p>8,510' T.D.</p> <p>Killed McCracken zone down 2-7/8" tubing w/50½ bbls. produced water at 2000-3100-0#. N.D. Xtree. Rel. pkr. N.U. BOP. POOH w/tbg. and packer. Set 5½" cement retainer at 8,054'.</p> <p>Perforated Elbert zone 7,888-7,892', 7,899-7,901', 7,920-7,928', and 7,958-7,962'. Ran and landed 2-7/8" tubing at 7,798'. Swabbed.</p> <p>Treated Elbert perforations w/2000 gals. regular 15% HCl w/NE & LST additives, clay suspender and pH control additive in four 500-gal. stages & 50 ball sealers at 1/4 to 4 bpm at 4500-5100-4500#. ISDP 3700# 3000#/15 mins. Bled pressure to zero immediately. Swabbed.</p> <p>(Cont'd on Next Pg</p>

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well ☐ gas well ☐ other ☐ Gas Injection

2. NAME OF OPERATOR
Union Oil Company of California

3. ADDRESS OF OPERATOR
P. O. Box 2620 - Casper, WY 82602-2620

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 565' FNL & 964' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH: Straight Hole

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐

SUBSEQUENT REPORT OF:

☐
☐
☐
☐
☐
☐
☐
☐

(other) SUPPLEMENTARY WELL HISTORY

5. LEASE

U-014903

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Lisbon Unit

8. FARM OR LEASE NAME

Lisbon Unit

9. WELL NO.

D-610

10. FIELD OR WILDCAT NAME

Lisbon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 10, T.30S., R.24E.

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

14. API NO.

43-037-30694

15. ELEVATIONS (SHOW DF, KDB, AND WD)

6,821' GR (Ungraded)

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

8,510' TD

MIRU completion unit on 6-1-82. (SITP 1600#/21 days) Acid fract Elbert perforations, 7,888-7,962', down 2-7/8" tubing with 13,300 gallons of 20% HCl acid at average rate of 11 bpm at 6200# as follows: Tested lines to 7000#. Loaded annulus with 13 bbls. 2% KCl water to 1500#. Pumped 8,000 gals. 2% KCl water with 30# WAC-II/1,000 gals. and 1 gal. Losurf-251/1,000 gals. Tubing loaded with 500 gals. at 740# at 3 bpm. Pressure increased to 4800# at 5.2 bpm. ISDP 3720#. Increased annulus pressure to 3000#. Resumed pumping preflush at 6000# at 9.4 bpm. Pressure increased to 6200# at 8 bpm. Pumped 13,000 gals. Versagel 1500 viscous preflush with 2% KCl, 30# WAC-II/1,000 gals., 1 gal. BE-3/3,000 gals., and 1 gal. Losurf 259/1,000 gals. at 6200# at 8 bpm, breaking to 6000# at 12 bpm. Pumped 13,300 gals.

(CONTINUED ON ATTACHED SHEET)

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED

R. G. Ladd, Jr.

TITLE District Drilling

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED
JUN 25 1982

DIVISION OF
OIL, GAS & MINING

Union Oil Company of California
Lisbon Unit Well No. D-610
San Juan County, Utah
6-21-82
Page 2

20% HCl acid with 30# Matriseal I, 2 gals. HAI-75, 1 gal. Losurf-259, and 2 gals. Parachek-140/1,000 gals. at 6,000# at 12.7 bpm to 10.7 bpm and 6,200# at 10.7 bpm to 8.9 bpm. Pumped 8,000 gals. overflush with 2% KCl water with 10# WG-12 and 1 gal. Losurf-259/1,000 gals. at 6,200# at 8.9 bpm to 5,550# at 12 bpm, then to 6,200# at 11.9 bpm. Flushed with 2,100 gals. 2% KCl water with ditto additives at 5,980# at 12 bpm. ISIP 3600#. 3500#/1 min. 3170#/5 mins. 3060#/10 mins. 2960#/15 mins. Total load - 1,043 bbls. Opened well to tank. SITP 1500#/2-1/4 hrs. Flowed pressure to zero/2-1/2 hrs. on 12/64" choke. Recovered 20 bbls. load. Swabbed 131 bbls. load cut 0-9-85% oil on last 4 runs/6-1/2 hrs. F.L. 0-4,500' with good gas. Left well open to tank on 8/64" choke overnight.

Left open to tank 10 hours with slight gas blow in a.m. Tagged F.L. at 1,000' (3,500' rise). Swabbed 114 bbls. load water/12 hours cut 50% oil on 1st run decreasing to 1% oil last 9 hours with fair to weak gas blow. F.L. 1,000-7,950' and steady last 2-1/2 hours. Left open overnight.

Tagged F.L. at 4,000' (3,950' rise/12 hours). Swabbed 20 BF with 50% oil/1 hour in 4 runs with F.L. 4,000-3,500-2,000'. Flowed 7 BF/3/4 hours with 50% oil and well died. Swabbed 13 BF/8 hours with F.L. 4,000' to S.N. with 1/2 bph last 4 hours. SDON.

No fluid recovery overnight. Tagged F.L. at 7,900' (90' rise)/14 hrs. Swabbed 53-1/2 BF/10 hours with 97% oil with F.L. at 7,950' and steady. Left open on 8/64" choke.

Tagged F.L. at 3,500' and scattered (5,500' rise/13 hours). Swabbed 27 BO/2 hrs. Left open overnight on 8/64" choke.

Left well open overnight. Tagged F.L. at 6,500' (1,500' rise/21-1/2 hours). Swabbed 53 BO + 1 BW/10-1/2 hours with F.L. at S.N.

Left well open 13 hours with no fluid to surface. Slight gas blow this a.m. on 8/64" choke. T.P. 0#. Checked F.L. at 2,000' and scattered (6,000' rise/13 hrs). Swabbed 53.1 BO cut 3% water/11 hrs. F.L. 2,000' to 7,997' (S.N.) and steady last 10 hrs. Swabbed at 1.5 bph rate last 8 hours. (Have recovered 300 BO + 148 bbls. of 1,043 BWL.) Released unit on 6-8-82. Evaluating.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329-1)
(2/76)

OMB 42-R0356

MONTHLY REPORT
OF
OPERATIONS
(Continued)

Lease No. U-6 903
Communitization Agreement No. NA
Field Name Lisbon
Unit Name Lisbon Unit
Participating Area NA
County San Juan State Utah
Operator Union Oil Company of California

☐ Amended Report Page #2 of 2

The following is a correct report of operations and production (including status of all unplugged wells) for the month of June, 19 82

(See Reverse of Form 9-329 for Instructions)

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
D-610	Sec 10 NE NE	30S	24E	Completing					<p>8,510' T.D.</p> <p>MIRU completion unit on 6-1-82. Acid fract Elbert perms with 13,300 gals. of 20% HCl acid at average rate of 11 bpm at 6200#. Flushed with 2,100 gals. of 2% KCl water. ISIP 3600#. 3170#/5 mins. 2960#/15 mins. Opened well to tank. SITP 1500# in 2 1/2 hrs. Flwd. pressure to zero in 2 1/2 hrs. on 12/64" choke. Recovered 20 bbls. load. Swabbed 131 bbls. of load cut 0-9-85% oil on las 4 runs. Swabbed. On 6-4-82, swabbed 20 bbls. fluid cut 50% oil/1 hr. then flowed 7 bbls fluid/3/4 hrs. with 50% oil and well died. Continued to swab. Have recovered 300 bbls. oil & 148 BW of 1,043 BWL. Released rig on 6-8-82. Evaluating well.</p>

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☐ other Gas Injection
well well

2. NAME OF OPERATOR
Union Oil Company of California

3. ADDRESS OF OPERATOR
P. O. Box 2620 - Casper, WY 82602-2620

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 565' FNL & 964' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH: Straight Hole

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) WELL STATUS REPORT ☐

SUBSEQUENT

RECEIVED
JUL 27 1982

DIVISION OF
OIL, GAS & MINING

5. LEASE

U-014903

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Lisbon Unit

8. FARM OR LEASE NAME

Lisbon Unit

9. WELL NO.

D-610

10. FIELD OR WILDCAT NAME

Lisbon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 10, T.30S., R.24E.

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

14. API NO.

43-037-30694

15. ELEVATIONS (SHOW DF, KDB, AND WD)

821' GR (Ungraded)

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

8,510' T.D.

Waiting for an engineering study to be completed before completing in the Mississippian zone.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED R. G. Ladd, Jr. TITLE District Drilling Superintendent DATE 7-22-82

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329)
(2/76)
OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No. U-014903
Communitization Agreement No. NA
Field Name Lisbon
Unit Name Lisbon Unit
Participating Area NA
County San Juan State Utah
Operator Union Oil Company of California
☐ Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of June, 19 82

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.50), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
D-610	Sec. 10 NE NE	30S	24E	COMPLETING					43-037-30694 SEE ATTACHED

RECEIVED
AUG 03 1982
DIVISION OF
OIL, GAS & MINING

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	None	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx
*Produced	None	None	None
*Sold	None	None	xxxxxxxxxxxxxxxxxx
*Spilled or Lost	None	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx
*Flared or Vented	xxxxxxxxxxxxxxxxxx	None	xxxxxxxxxxxxxxxxxx
*Used on Lease	None	None	xxxxxxxxxxxxxxxxxx
*Injected	None	None	None
*Surface Pits	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx	None
*Other (Identify)	None	None	None
*On hand, End of Month	None	xxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxx
*API Gravity/BTU Content	None	None	xxxxxxxxxxxxxxxxxx

Authorized Signature: James R. Hooper Address: P.O. Box 2620 Casper, Wyoming 82602
Title: District Clerical Supervisor 110 Page 1 of 2

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
D-610	Sec. 10 NE NE	30S	24E	Completing					8,510' T.D. Evaluating well.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329)
(2/76)
OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No. U-014903
Communitization Agreement No. NA
Field Name Lisbon
Unit Name Lisbon Unit
Participating Area NA
County San Juan State Utah
Operator Union Oil Company of California
☐ Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of July, 19 82

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
D-610	Sec. 10 NE NE	30S	24E	COMPLETING					SEE ATTACHED A.P.I. No. 43-037-30694

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	<u>None</u>	<u>XXXXXXXXXXXXXXXXXX</u>	<u>XXXXXXXXXXXXXXXXXX</u>
*Produced	<u>None</u>	<u>None</u>	<u>None</u>
*Sold	<u>None</u>	<u>None</u>	<u>XXXXXXXXXXXXXXXXXX</u>
*Spilled or Lost	<u>None</u>	<u>XXXXXXXXXXXXXXXXXX</u>	<u>XXXXXXXXXXXXXXXXXX</u>
*Flared or Vented	<u>XXXXXXXXXXXXXXXXXX</u>	<u>None</u>	<u>XXXXXXXXXXXXXXXXXX</u>
*Used on Lease	<u>None</u>	<u>None</u>	<u>XXXXXXXXXXXXXXXXXX</u>
*Injected	<u>None</u>	<u>None</u>	<u>None</u>
*Surface Pits	<u>XXXXXXXXXXXXXXXXXX</u>	<u>XXXXXXXXXXXXXXXXXX</u>	<u>None</u>
*Other (Identify)	<u>None</u>	<u>None</u>	<u>None</u>
*On hand, End of Month	<u>None</u>	<u>XXXXXXXXXXXXXXXXXX</u>	<u>XXXXXXXXXXXXXXXXXX</u>
*API Gravity/BTU Content	<u>None</u>	<u>None</u>	<u>XXXXXXXXXXXXXXXXXX</u>

Authorized Signature: James R. Hooper Address: P.O. Box 2620 Casper, Wyoming 82602
Title: District Clerical Supervisor 109 Page 1 of 2

RECEIVED

JUL 29 1982

STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING
ROOM 4241 STATE OFFICE BUILDING
SALT LAKE CITY, UTAH 84114
(801) 533-5771
(RULE 1-5)

DIVISION OF
OIL, GAS & MINING

FORM NO. DOGM-UIC-1

IN THE MATTER OF THE APPLICATION OF
Union Oil Co. of California

CAUSE NO. 136-2

ADDRESS P.O. Box 760
Moab, Utah ZIP 84532

INDIVIDUAL ☐ PARTNERSHIP ☐ CORPORATION ☒

FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR
INJECT FLUID INTO THE Lisbon Unit D-610 Well

SEC. 10 TWP. 30 S RANGE 24 E
San Juan COUNTY, UTAH

ENHANCED RECOVERY INJ. WELL ☒
DISPOSAL WELL ☐

APPLICATION

Comes now the applicant and shows the Division the following:

1. That Rule 1-5 (b) 6 authorizes administrative approval of enhanced recovery injections or disposal operations.

2. That the applicant submits the following information.

Lease Name <u>Lisbon Unit</u>	Well No. <u>D-610</u>	Field <u>Lisbon</u>	County <u>San Juan</u>
Location of Enhanced Recovery Injection or Disposal Well <u>565' FNL & 964' FEL</u> Sec. <u>10</u> Twp. <u>30 S</u> Rge. <u>24 E</u>			
New Well To Be Drilled Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Old Well To Be Converted Yes <input type="checkbox"/> No <input type="checkbox"/>	Casing Test Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Date <u>4-20-82</u>	
Depth-Base Lowest Known Fresh Water Within 1/2 Mile <u>None</u>	Does Injection Zone Contain Oil-Gas-Fresh Water Within 1/2 Mile YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		State What Oil & Gas
Location of Injection Source(s) <u>Sec. 9, T-30S, R-24E</u> <u>NW 1/4</u>	Geologic Name(s) and Depth of Source(s) <u>None - Extracting Nitrogen fr. atmosphere</u>		
Geologic Name of Injection Zone <u>Mississippian</u>		Depth of Injection Interval <u>7480'</u> to <u>7530'</u> & <u>7540'</u> to <u>7570'</u>	
a. Top of the Perforated Interval: <u>7480'</u>	b. Base of Fresh Water: <u>4000'</u>	c. Intervening Thickness (a minus b) <u>3480'</u>	
Is the intervening thickness sufficient to show fresh water will be protected without additional data? <u>YES</u> NO			
Lithology of Intervening Zones <u>Consists mainly of LS, SS and SH.</u>			
Injection Rates and Pressures Maximum <u>7 MMCF/D</u> <u>3000</u> <u>PSIG</u>			
The Names and Addresses of Those To Whom Copies of This Application and Attachments Have Been Sent <u>Tom Hare w/BLM</u> <u>Edgar W. Guynn w/Mineral Managements Services</u>			

State of UtahCounty of San Juan

Before me, the undersigned authority, on this day personally appeared B.R. Goureaux
known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states, that he is duly
authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct.

Suscribed and sworn to before me this 28 day of July, 19 82

SEAL

My commission expires 7-31-82

B.R. Goureaux
Applicant

B.R. Goureaux

Arsie Jaramilla
Notary Public in and for La Sal, Ut.

(OVER)

INSTRUCTIONS

① Attach quantitative and quantitative analysis of fresh water from 2 or more producing wells within 1 mile of injection well showing location of wells and date samples were taken, or statement as to why samples were not submitted.

② Attach qualitative and quantitative analysis of representative sample of water to be injected.

③ Attach plat showing subject well and all known oil and gas wells, abandoned, drilling and dry within 1/2 mile together and with name of operator.

4. Attach Drillers Log (Form DOGM-UIC-2). (Appropriate Surety must be on file with Conservation Division.)

5. Attach Electric or Radioactivity Log of Subject well (if released).

6. Attach schematic drawing of subsurface facilities including; Size, setting depth, amount of cement used measured or calculated tops of cement surface, intermediate (if any) and production casings; size and setting depth of tubing; type and setting depth of packer; geologic name of injection zone showing top and bottom of injection interval.

7. The original and 6 copies of application, and one complete set of attachments shall be mailed to the Division.

8. Deliver 1 copy of application to landowner on whose land injection well is located and to each operator of a producing leasehold within 1/2 mile of injection well.

9. Affidavit of mailing or delivery shall be filed not later than five days after the application is filed.

10. Notice that an application has been filed shall be published by the Division in a newspaper of general circulation in the county in which the well is located. The Division shall file proof of publication before the application is approved. The notice shall include name and address of applicant, location of proposed injection or disposal well, injection zone, injection pressure and volume. If no written objection is received within 15 days from date of publication the application will be approved administratively.

11. A well shall not be used for injection or disposal unless completed machine accounting Form DOGM-UIC-3b is filed September 1st, each year.

12. Approval of this application, if granted, is valid only as long as there is no substantial change in the operations set forth in the application. A substantial operation change requires the approval of a new application.

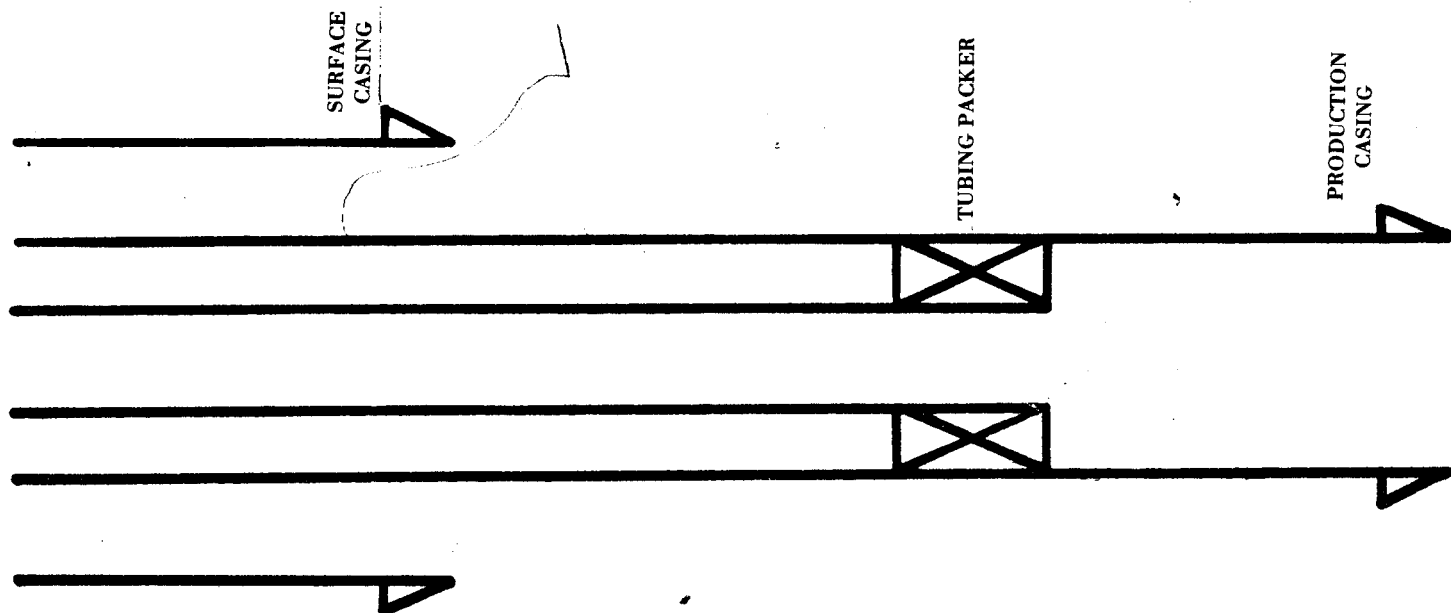
13. If there is less intervening thickness required by Rule I-5 (b) 4 attach sworn evidence and data.

See Attachment:

CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
Surface					
Intermediate					
Production					
Tubing			Name - Type - Depth of Tubing Packer		
Total Depth	Geologic Name - Inj. Zone		Depth - Top of Inj. Interval		Depth - Base of Inj. Interval

SKETCH - SUB-SURFACE FACILITY



(To be filed within 30 days after drilling is completed)

U-014903

DEPARTMENT OF NATURAL RESOURCES AND ENERGY

DIVISION OF OIL, GAS, AND MINING

Room 4241 State Office Building

Salt Lake City, Utah 84114

API NO 840 Acres

W

E

S

Locate Well Correctly and Outline Lease

COUNTY SAN JUAN SEC. 10 TWP. 30-S RGE. 24-E

COMPANY OPERATING Union Oil Co. of Calif.

OFFICE ADDRESS P.O. Box 760

TOWN Moab STATE ZIP 84532

FARM NAME _____ WELL NO. D-610

DRILLING STARTED Jan 19 82 DRILLING FINISHED Mar 19 82

DATE OF FIRST PRODUCTION _____ COMPLETED _____

WELL LOCATED NW 1/4 NE 1/4 NE 1/4

565 FT. FROM N OF 1/4 SEC. & 964 FT. FROM EL OF 1/4 SEC.

ELEVATION DERRICK FLOOR 6841' GROUND 6821'

TYPE COMPLETION

Single Zone Set through Order No. _____

Multiple Zone _____ Order No. _____

Comingled _____ Order No. _____

LOCATION EXCEPTION _____ Order No. _____ Penalty _____

Possible - OIL OR GAS ZONES					
Name	From	To	Name	From	To
Mississippian	7348	7785	McCracken	8085	8147
Ouray	7784	7900	Aneth	8147	8222
Elbert	7900	8085			

CASING & CEMENT							
Casing Set				Csg. Test	Cement		
Size	Wgt	Grade	Feet	Psi	Sax	Fillup	Top
16"	48#	H-40	40	3000	10	40'	0
95/8"	36#	K-55	1025	3000	600	1025	0
5-1/2"	17#	L-80					
5-1/2"	20#	K-55	8510	3000	1900		

PACKERS SET

DEPTH 7350'

TOTAL DEPTH 8510'

FORMATION	Mississippian	
SPACING & SPACING ORDER NO.	Unitized	
CLASSIFICATION (Oil; Gas; Dry; Inj. Well)	Inj. Well	
PERFORATED	7480'-7530'	
	7540'-7570'	
INTERVALS		
ACIDIZED?		
	Acid Frac w/1000 gals 28% HCL ad	
FRACTURE TREATED?		

INITIAL TEST DATA			
Date			
Oil. bbl./day			
Oil Gravity			
Gas. Cu. Ft./day	CF	CF	CF
Gas-Oil Ratio Cu. Ft./Bbl.			
Water-Bbl./day			
Pumping or Flowing			
CHOKE SIZE			
FLOW TUBING PRESSURE			

A record of the formations drilled through, and pertinent remarks are presented on the reverse.

(use reverse side)

I, the undersigned, being first duly sworn upon oath, state that this well record is true, correct and complete according to the records of this office and to the best of my knowledge and belief.

Telephone 259-5496 B. R. Horne - Area Supt.

Name and title of representative of company

Subscribed and sworn before me this 28 day of July, 19 82.

WELL NAME: D-610
LOCATION: Sec 10, Township 30S, Range 24E, 565' FNL & 964' FEL
STATUS: Nitrogen Inj.
SURFACE OWNER: Federally Owned
OPERATOR: Union Oil Company of California

There are no water wells, producing wells, drilling wells or dry holes within one-half mile of our Class II Injection Well, D-610.

The formation in which injection will take place is the Mississippian formation. It consists mainly of a limestone. The immediate overlying and underlying strata consists mainly of shale with very little or no permeability.

The depth between the fresh water base and the injection interval is over 3000' and the strata between the fresh water base and the injection interval consists mainly of sandstone, limestone, and shale. The stratum are such that there is no chance of any contamination of the USDW which meets the requirements of the UIC program.

With a fracturing pressure of about 5455 BHP psig and a maximum injection pressure of only 3500 BHP psig there should not be any fracturing of the confining stratum above the injection interval.

The injection rate and pressure will be controlled by the Nitrogen Plant. The maximum output rate and pressure of the Nitrogen Plant is 7 MMCF/D and 3000 psi. Therefore, the maximum injection rate and pressure can not exceed these values.

Field: Lisbon Unit PEAB 1100ab

Phase Completion

Date: 7/21/82

Well No.: D-610 Nitrogen Injection Well

40' of
16" 48#
H-40 CSg

Casing Record:

9 5/8", 36#, K-55, ST+C, csq @ 1025' w/600 sks
cmt., 5 1/2", 17#, 20#, L-80, K-55, LT+C,
ST+C, csq @ 8510' w/1900 sks cmt.

Perforations:

Aneth, 8436'-8472' w/2 spf
Set 5 1/2" cast iron bridge plug @ 8400'
Spotted cement 8393'-8400'

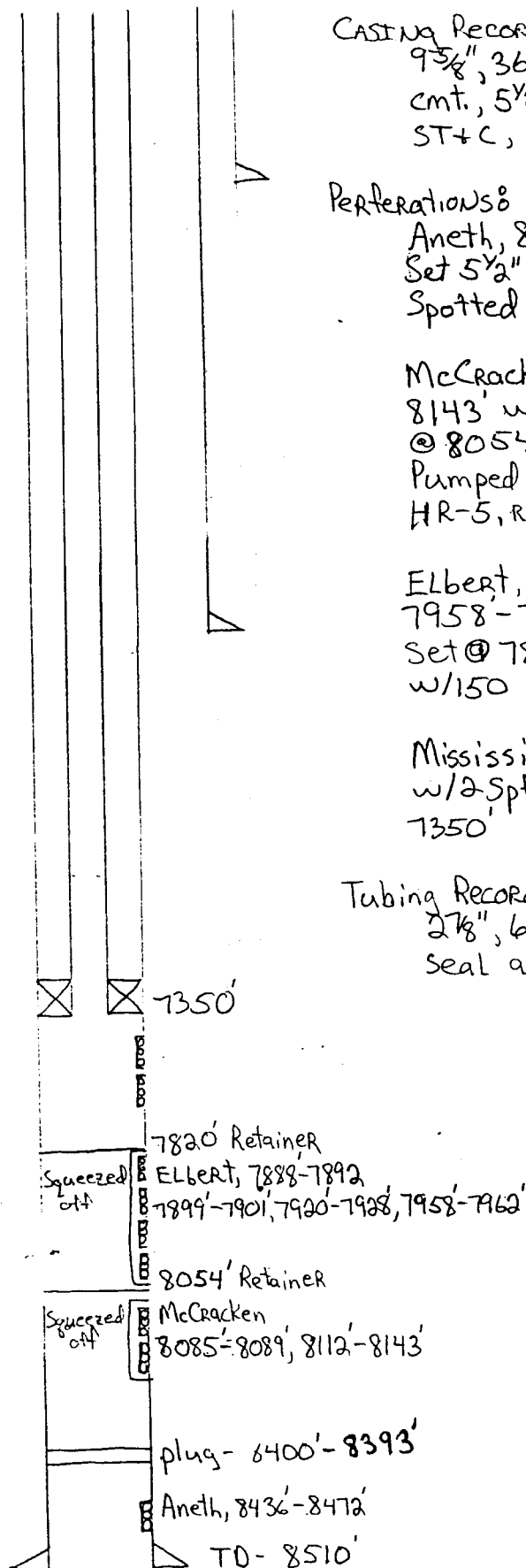
McCracken, 8085'-8089' and 8112'-
8143' w/4 spf. Set 5 1/2" cement retainer
@ 8054'. Stung into Retainer @ 8054',
Pumped 150 sks of class "B" cement w/2%
HR-5, reversed out 16 sks of cement.

Elbert, 7888'-7892', 7899'-7901', 7920'-7928',
7958'-7962' w/2 spf. Cement Retainer
Set @ 7820'. Perfs squeezed 7888'-7962'
w/150 sks of cement

Mississippian, 7480'-7530', 7540'-7570'
w/2 spf. Baker model "D" packer set @
7350'

Tubing Record:

2 7/8", 6.5#, CS Hydrill tubing w/Locator
seal assembly. Set @ 7350'



CLASS II FILE NOTATIONS

DATE FILED: 7/27/82 OPERATOR: Union Oil WELL NO. D-610
Sec. 10 T. 30S R. 24E QRT/QRT: NE NE COUNTY: San Juan
New Well? ~~Yes~~ Conversion? yes Disposal _____ Enhanced Recovery Nitrogen

SURETY/Bond? yes Card Indexed? yes API Number: 43-037-30800 30694

APPLICATION FILE COMPLETION

Completed Form DOGM-UIC-1? yes

Plat identifying location and total depth of the following, Rule I-5(b)(1):

Surface Owner(s): BLM Operators: _____ water well(s) None abandoned well(s) 1, producing wells or drilling well(s) None dry holes None

Completed Rule I-5(b)(2)? yes, (i) _____, (ii) _____
_____, _____
_____, _____

Schematic diagram of Well: TD: 8510', PBTD: 8400', Depth of Inj/Disp interval: 7480'-7530', geologic name of inj/dis interval Mississippi, Casing and cement: top 0, bottom 8510', Size of: casing 16" @ 40', 9 5/8" @ 1025', 5 1/2" @ 8510' tubing 2 7/8" @ 7350', depth of packer: 7350'

Assessment of existing cement bond: _____
Location of Bottomhole: straight hole MAXIMUM INJECTION RATE: 7 MMCF/D
MAXIMUM SURFACE INJECTION PRESSURE: 3000 psig

Proposed Operating Data:

Procedure for controlling injection rates and pressures: Controlled by Nitrogen Plant
Geologic name: N/A, depth, N/A, location of injection fluid source. Analysis of water to be injected N/A tds, water of injection formation _____ tds., EXEMPTION REQUIRED? No

Injection zone and confining zone data: lithologic description LS, SS and SH, geologic name Miss., thickness 3480', depth _____, lateral extent intervening

USDW's that may be affected by injection: geologic name _____, lateral extent _____, depth to the top and bottom of all known USDW's Base of fresh water 4000'

Contingency plans? _____

Results of formation testing? _____
Description of mechanical integrity test _____, injection procedure _____

CHECKED BY: UIC ADMINISTRATOR: Need top of cement? location of bottom hole injection procedure, contingency plans
UIC GEOLOGIST: _____

Application Complete? _____ Notice Published _____, Date: / /
DIRECTOR: Approved? _____, approval letter sent _____, Requires hearing _____

AFFIDAVIT OF PUBLICATION

PUBLIC NOTICE

BEFORE THE DIVISION OF OIL,
GAS AND MINING, Room 4241
State Office Building, Salt Lake
City, Utah 84114.

IN THE MATTER OF THE
APPLICATION OF UNION OIL
COMPANY OF CALIFORNIA
FOR ADMINISTRATIVE AP-
PROVAL TO INJECT NITROGEN
INTO A WELL LOCATED IN
TOWNSHIP 30 SOUTH, RANGE
24 EAST, SAN JUAN COUNTY,
UTAH.

CAUSE NO. UIC-006

NOTICE

THE STATE OF UTAH TO ALL
PERSONS, OWNERS, PRODUC-
ERS, OPERATORS, PURCHAS-
ERS AND TAKERS OF OIL AND
GAS AND ALL OTHER INTER-
ESTED PERSONS, PARTICU-
LARLY IN SAN JUAN COUNTY,
UTAH:

NOTICE IS HEREBY GIVEN
that Union Oil Company of
California, P.O. Box 760, Moab,
Utah 84532, is requesting that the
Division authorize the approval
to inject nitrogen into the well
described below.

Township 30 South, Range 24 East
#D-610 Section 10 NENE
DEPTH OF INJECTION: 7,480
to 7,570 feet.

INJECTION ZONE: Mississip-
pian Limestone.

MAXIMUM INJECTION PRES-
SURE: 3,000 psi.

This application will be granted
unless objections are filed with
the Division of Oil, Gas and
Mining within fifteen (15) days
after publication of this Notice.
Objections if any, should be
mailed to: Division of Oil, Gas
and Mining, Room 4241 State
Office Building, Salt Lake City,
Utah, 84114.

STATE OF UTAH

DIVISION OF OIL, GAS AND
MINING

s/Paula J. Frank

PAULA J. FRANK

Secretary of the Board

Published in The San Juan Record
August 19, 1982.

I, Joyce Martir eing duly sworn,

depose and say that I am the publisher of the San
Juan Record, a weekly newspaper of general circulation
published at Monticello, Utah, every Thursday; that
notice of Cause No. UIC-006

a copy of which is hereunto attached, was published in
the regular and entire issue of each number of said
newspaper for a period of One issues, the first
publication having been made on _____
and the last publication having been made on August
Nineteen

Signature

Joyce A. Martir
Publisher

Subscribed and sworn to before me this Nineteenth
day of August, A.D. 1981

Dorothy Davis
Notary Public
Residing at Monticello, Utah

My commission expires May 17, 1986

BEFORE THE BOARD OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH

IN THE MATTER OF THE REQUEST)	
FOR AGENCY ACTION OF UNION)	
OIL COMPANY OF CALIFORNIA)	SECOND
FOR APPROVAL OF UNIT)	AFFIDAVIT OF PHILLIP
OPERATIONS FOR SECONDARY)	WM. LEAR
RECOVERY IN THE McCRACKEN)	
FORMATION OF THE LISBON)	
(McCRACKEN) UNIT IN SAN)	Docket No. 89-016
JUAN COUNTY, UTAH, AND FOR)	
AUTHORITY FOR UNDERGROUND)	Cause No. 136-3
INJECTION OF GAS)	

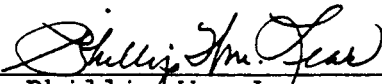
STATE OF UTAH)
 : ss.
COUNTY OF SALT LAKE)

PHILLIP Wm. LEAR, having been duly sworn, deposes and says that:

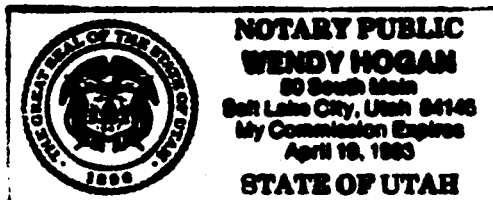
1. He is a resident of Salt Lake County and over the age of 21 years.
2. He is an attorney licensed to practice law before the Utah Supreme Court and all inferior courts of the State of Utah.
3. He is familiar with the statutes, rules, and regulations of the Board of Oil, Gas and Mining pertaining to Class II injection wells for enhanced recovery.


4. He has caused a copy of the Application for Injection Well (UIC-Form 1) to be provided to all operators, owners, and surface owners within one-half mile radius of the proposed injection well, the Unocal Lisbon Unit #D-610 Well, as required by R615-5-2.2.12 of the Oil and Gas General Rules. The names and addresses of the owners so served are set forth in Exhibit "A" to this affidavit.

DATED this 8th day of September, 1989.


Phillip Wm. Lear

SUBSCRIBED AND SWORN to before me this 8th day of September, 1989.




NOTARY PUBLIC
Residing at Salt Lake City, Utah

My Commission Expires:

April 19, 1993

8053Lp2
090789

EXHIBIT "A"

NAMES AND ADDRESSES OF "OWNERS" AND OPERATORS AND
SURFACE OWNERS WITHIN ONE-HALF MILE RADIUS OF THE LISBON UNIT
#D-610 WELL (PROPOSED INJECTION WELL).

OWNERS/OPERATORS

Union Oil Company of California
900 Werner Court
P.O. Box 2620
Casper, Wyoming 82602

Belco Petroleum Corporation
Belco Development Corporation
c/o Enron Oil & Gas Company
1400 Smith Road
P.O. Box 1188
Houston, Texas 77251-1188

Mobil Oil Corporation
P. O. Box 5444
Denver, Colorado 80217

SURFACE OWNERS

United States of America
Bureau of Land Management
Utah State Office
Suite 301
324 South State Street
Salt Lake City, Utah 84111

State of Utah
c/o Division of State Lands
and Forestry
III Triad Center, Suite 400
Salt Lake City, Utah 84180-1203

San Juan County
P.O. Box 789
Monticello, Utah 84535

Atlas Corporation
743 Horizon Ct. - Suite 200
Grand Junction, Colorado 81506

Andrew K. Steen
c/o Charles A. Steen, Jr.
7621 El Monte Drive
Buena Park, California 90621

Moore Trust Company, Trustee
220 South Main Street
Salt Lake City, Utah 84101

Patricia McCormick, Trustee
for children and grandchildren
Aurora, Montana 62505

Maxine S. Boyd
Melody Estates
Route 1 - Box 928
Price, Utah 84501

Charles A. Steen, Jr.
7621 El Monte Drive
Buena Park, California 90621

Mitchell Melich
900 Donner Way
Salt Lake City, Utah 84108

A.E. Dearth
94 South Holman Way
Golden, Colorado 80401

The Pure Oil Company
1700 Broadway
Denver, Colorado 80202

3011P2
090789

BEFORE THE DIVISION OF OIL, GAS AND MINING
Room 4241 State Office Building
Salt Lake City, Utah 84114

IN THE MATTER OF THE APPLICATION OF)	
UNION OIL COMPANY OF CALIFORNIA, FOR)	
ADMINISTRATIVE APPROVAL TO INJECT)	CAUSE NO. UIC-006
NITROGEN INTO A WELL LOCATED IN)	
TOWNSHIP 30 SOUTH, RANGE 24 EAST,)	
SAN JUAN COUNTY, UTAH)	

N O T I C E

THE STATE OF UTAH TO ALL PERSONS, OWNERS, PRODUCERS, OPERATORS, PURCHASERS
AND TAKERS OF OIL AND GAS AND ALL OTHER INTERESTED PERSONS, PARTICULARLY IN
SAN JUAN COUNTY, UTAH:

NOTICE IS HEREBY GIVEN that Union Oil Company of California, P.O. Box
760, Moab, Utah 84532, is requesting that the Division authorize the approval
to inject nitrogen into the well described below.

Township 30 South, Range 24 East

#D-610 Section 10 NENE

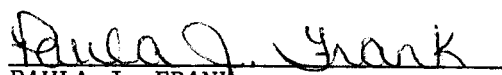
DEPTH OF INJECTION: 7,480 to 7,570 feet

INJECTION ZONE: Mississippian Limestone

MAXIMUM INJECTION PRESSURE: 3,000 psi

This application will be granted unless objections are filed with the
Division of Oil, Gas and Mining within fifteen (15) days after publication
of this Notice. Objections if any, should be mailed to: Division of Oil, Gas
and Mining, Room 4241 State Office Building, Salt Lake City, Utah, 84114.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING


PAULA J. FRANK
Secretary of the Board

Affidavit of Publication

STATE OF UTAH. }
County of Salt Lake } ss.

Shana D. Conaty

NOTICE
BEFORE THE DIVISION
OF OIL, GAS
AND MINING
Room 4241 State
Office Building
Salt Lake City, Utah 84114
Cause No. UIC-006

IN THE MATTER OF THE
APPLICATION OF UNION
OIL COMPANY OF CALI-
FORNIA, FOR ADMINISTRA-
TIVE APPROVAL TO IN-
JECT NITROGEN INTO A
WELL LOCATED IN TOWN-
SHIP 33 SOUTH, RANGE 24
EAST, SAN JUAN COUNTY,
UTAH.

THE STATE OF UTAH TO
ALL PERSONS, OWNERS,
PRODUCERS, OPERATORS,
PURCHASERS AND TAKERS
OF OIL AND GAS AND ALL
OTHER INTERESTED
PERSONS, PARTICULARLY
IN SAN JUAN COUNTY,
UTAH:

NOTICE IS HEREBY
GIVEN that Union Oil Compa-
ny of California, P.O. Box 760,
Moorpark, Utah 84532, is request-
ing that this Division authorize
the approval to inject nitrogen
into the well described below.

Township 33 S., Range 24 East
30-01S, Section 19 NINE

DEPTH OF INJECTION:
7,480 to 7,570 feet

INJECTION ZONE: Missis-
sippian Limestone

MAXIMUM INJECTION
PRESSURE: 3,000 psi

This application will be
granted unless objections are
filed with the Division of Oil,
Gas and Mining within fifteen
(15) days after publication of
this Notice. Objections if any,
should be mailed to: Division
of Oil, Gas and Mining, Room
4241 State Office Building, Salt
Lake City, Utah, 84114.

STATE OF UTAH
DIVISION OF OIL,
GAS AND MINING
PAULA J. FRANK
Secretary of the Board

A-88

Being first duly sworn, deposes and says that he is legal ad-
vertising clerk of **THE SALT LAKE TRIBUNE**, a daily news-
paper printed in the English language with general circula-
tion in Utah, and published in Salt Lake City, Salt Lake
County in the State of Utah, and of the **DESERET NEWS**
a daily (except Sunday) newspaper printed in the English
language with general circulation in Utah, and published in
Salt Lake City, Salt Lake County, in the State of Utah.

That the legal notice of which a copy is attached hereto

Pub notice of application Cause #UIC-006 (Union
Oil Co. of California)

was published in said newspapers on Aug. 20, 1982

Shana D. Conaty
Legal Advertising Clerk

Subscribed and sworn to before me this 20th day of
Aug. A.D. 19 82.

Joyce L. MacLean
Notary Public

My Commission Expires

July 23, 1986

RECEIVED
AUG 25 1982
DIVISION OF
OIL, GAS & MINING

Affidavit of Publication

STATE OF UTAH. }
County of Salt Lake } ss.

Shana D. Conaty

Being first duly sworn, deposes and says that he is legal advertising clerk of THE SALT LAKE TRIBUNE, a daily newspaper printed in the English language with general circulation in Utah, and published in Salt Lake City, Salt Lake County in the State of Utah, and of the DESERET NEWS a daily (except Sunday) newspaper printed in the English language with general circulation in Utah, and published in Salt Lake City, Salt Lake County, in the State of Utah.

That the legal notice of which a copy is attached hereto

Pub notice of application Cause #UIC-006 (Union
Oil Co. of California)

was published in said newspapers on Aug. 20, 1982

Legal Advertising Clerk

Subscribed and sworn to before me this 20th day of
Aug. A.D. 19 82.

Notary Public

My Commission Expires

July 23, 1986

NOTICE
BEFORE THE DIVISION
OF OIL, GAS
AND MINING
Room 4241 State
Office Building
Salt Lake City, Utah 84114
CAUSE NO. UIC-006
IN THE MATTER OF THE
APPLICATION OF UNION
OIL COMPANY OF CALI-
FORNIA, FOR ADMINISTRA-
TIVE APPROVAL TO IN-
JECT NITROGEN INTO A
WELL LOCATED IN TOWN-
SHIP 30, SOUTH, RANGE 24
EAST, SAN JUAN COUNTY,
UTAH.
THE STATE OF UTAH TO
ALL PERSONS, OWNERS,
PRODUCERS, OPERATORS,
PURCHASERS AND TAKERS
OF OIL AND GAS AND ALL
OTHER INTERESTED
PERSONS, PARTICULARLY
IN SAN JUAN COUNTY,
UTAH:
NOTICE IS HEREBY
GIVEN that Union Oil Compa-
ny of California, P.O. Box 760,
Moab, Utah 84052, is request-
ing that the Division authorize
the approval to inject nitrogen
into the well described below.
Township 30, South, Range 24 East
Section 19, T19N, R24E, S30S
DEPTH OF INJECTION:
7,480 to 7,570 feet
INJECTION ZONE: Missis-
sippian Limestone
MAXIMUM INJECTION
PRESSURE: 3,000 psi
This application will be
granted unless objections are
filed with the Division of Oil,
Gas and Mining within fifteen
(15) days after publication of
this Notice. Objections if any,
should be mailed to: Division
of Oil, Gas and Mining, Room
4241 State Office Building, Salt
Lake City, Utah 84114.
STATE OF UTAH
DIVISION OF OIL,
GAS AND MINING
PAULA J. FRANK
Secretary of the Board
A-88

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well gas ☐ well other ☒ Gas Injection

2. NAME OF OPERATOR
Union Oil Company of California

3. ADDRESS OF OPERATOR
P. O. Box 2620 - Casper, WY 82602-2620

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 565' FNL & 964' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH: Straight Hole

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐

SUBSEQUENT REPORT OF:

☐
☐
☐
☐
☐
☐
☐
☐

(other) WELL STATUS REPORT

5. LEASE
U-014903

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Lisbon Unit

8. FARM OR LEASE NAME
Lisbon Unit

9. WELL NO.
D-610

10. FIELD OR WILDCAT NAME
Lisbon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 10, T.30S., R.24E.

12. COUNTY OR PARISH San Juan 13. STATE Utah

14. API NO.
43-037-30694

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6,821' GR (Ungraded)

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

8,510' T.D.

Waiting for an engineering study to be completed before completing in the Mississippian zone.

RECEIVED
AUG 30 1982
DIVISION OF
OIL, GAS & MINING

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED R. G. Ladd, Jr. TITLE District Drilling Superintendent DATE 8-23-82

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

[illegible]

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329)
(2/76)
OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No. U-014903
Communitization Agreement No. NA
Field Name Lisbon
Unit Name Lisbon Unit
Participating Area NA
County San Juan State Utah
Operator Union Oil Company of California
☐ Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of August, 19 82

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
D-610	Sec. 10 NE NE	30S	24E	Evaluating					SEE ATTACHED A.P.I. No. 43-037-30694

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLS)	Gas (MCF)	Water (BBLS)
*On hand, Start of Month	<u>None</u>	<u>xxxxxxxxxxxxxxxxxx</u>	<u>xxxxxxxxxxxxxxxxxx</u>
*Produced	<u>None</u>	<u>None</u>	<u>None</u>
*Sold	<u>None</u>	<u>None</u>	<u>xxxxxxxxxxxxxxxxxx</u>
*Spilled or Lost	<u>None</u>	<u>xxxxxxxxxxxxxxxxxx</u>	<u>xxxxxxxxxxxxxxxxxx</u>
*Flared or Vented	<u>xxxxxxxxxxxxxxxxxx</u>	<u>None</u>	<u>xxxxxxxxxxxxxxxxxx</u>
*Used on Lease	<u>None</u>	<u>None</u>	<u>xxxxxxxxxxxxxxxxxx</u>
*Injected	<u>None</u>	<u>None</u>	<u>None</u>
*Surface Pits	<u>xxxxxxxxxxxxxxxxxx</u>	<u>xxxxxxxxxxxxxxxxxx</u>	<u>None</u>
*Other (Identify)	<u>None</u>	<u>None</u>	<u>None</u>
*On hand, End of Month	<u>None</u>	<u>xxxxxxxxxxxxxxxxxx</u>	<u>xxxxxxxxxxxxxxxxxx</u>
*API Gravity/BTU Content	<u>None</u>	<u>None</u>	<u>xxxxxxxxxxxxxxxxxx</u>

Authorized Signature: James R. Hooper Address: P.O. Box 2620 Casper, Wyoming 82602
Title: District Clerical Supervisor 1/3 Page 1 of 2



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

August 2, 1982

Union Oil Co. of California
P. O. Box 760
Moab, UT 84532

Attn: B. R. Govreau

RE: Injection Well Application
Sec. 10 T30S R24E
San Juan County, Utah

Dear Mr. Govreau:

Union's application has been reviewed for compliance with rule I-5 of the Underground Injection Criteria and Standards, adopted May 27, 1982. Please address the following questions before public notice can be made concerning this well.

- 1) The map provided depicts an abandoned (C-93) injection well within 1/2 mile of the subject well. Division files show no record of this well. Please provide information concerning drilling completion and abandonment of this well. Is this well plugged adequately to prevent contamination of fresh water aquifers.?
- 2) Provide an analysis of the water contained in the injection zone, if any, in accordance with rule I-5(b)(5)(vi).
- 3) An assessment of the existing cement bond between the casing and the formation.
- 4) A description of the mechanical integrity test which was performed on this well.
- 5) Contingency plans to cope with all well failures so as to prevent migration of polluting fluids to younger fresh water strata.

Upon receipt of satisfactory information addressing the above questions public notice will be made for 15 days. If no objection is filed within this period, your application will be recommended to the Director for administrative approval.

Sincerely yours,

DIVISION OF OIL, GAS AND MINING

GILBERT L. HUNT
UIC GEOLOGIST

GLH/dc

Union Oil Company California

Post Office Box 760, Moab, Utah 84532
Telephone (801) 686-2236

union 76
August 6, 1982

Mr. Gilbert L. Hunt
State of Utah
Natural Resources & Energy
Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114

RECEIVED
AUG 10 1982

**DIVISION OF
OIL, GAS & MINING**

Dear Mr. Hunt:

In regard to your letter on August 2 requiring additional information on our class II injection well, D-610, to be approved under the UIC program.

I hope I have supplied all the information you have requested for the approval of our injection well. If any additional information is required please contact me and I will do my best to supply it for you, thank you.

Sincerely,

John H. Barder

John H. Barder
Assistant Engineer

JHB:aj

Attachment

The well completion record and the abandoning report for C-93 are attached. The well has been adequately plugged to prevent contamination of fresh water aquifers. The formation water analysis from the zone in which we are going to be injecting into, (the Mississippian), is also attached.

In assessing the exsisting cement bond between the casing and the formation, when we cemented our short string we had returns of cement to the surface which indicates a good cement job and in our long string we had water coming to the surface displaced by our cement which also indicates a good cement job.

After the well was drilled and the casing was cemented the rams were closed and the casing was pressured up to 3000psi. After the tubing is set and before we begin injection into the Mississippian formation we will pressure up to 1000psi to test our packer. If it tests out, we will begin injection.

Our contingency plan to cope with all well failures so as to prevent migration of polluting fluids to fresh water strata is to shut in the well, isolate the problem and take steps to correct the problem without contaminating any fresh water strata.



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

September 7, 1982

Union Oil Company of California
P.O. Box 760
Moab, Utah 84532

RE: Class II Injection Well Approval
#D-610 Well
Section 10, T30S, R24E
San Juan County
Cause No. UIC-006, 136-2

Gentlemen:

Please be advised that administrative approval from this office has been granted for nitrogen injection into the above-referenced well. This approval is conditioned upon adhering to the UIC Rules and Regulations adopted by the Board of Oil, Gas and Mining, and construction and operation of the well as outlined in the application submitted.

If you have any questions, please call.

Sincerely,

Cleon B. Feight
CLEON B. FEIGHT
DIRECTOR

CBF:GLH:SC
cc: EPA, Denver

Form UIC 10
August, 1982

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
4241 State Office Building
Salt Lake City, Utah 84114

WELL INTEGRITY REPORT

Date 9/16/82

Water Disposal Well _____ Enhanced Recovery Well X Other _____

DOGM/UIC Cause Number UIC-006, 136-2

Company Union Oil Co. of California

Address P.O. Box 760

City and State Moab Utah Zip Code 84532

Lease Name or Number Lisbon Unit Well Name or Number D-610

API Well Number _____ Location NW 1/4 of NE 1/4 of _____

Section 10 Township 30S Range 24E County San Juan

Present at Completion: _____ Yes X No

Casing Tested in My Presence: _____ Yes X No Pressure 1000 PSI 30 Minutes

Packer Tested in My Presence: _____ Yes X No Pressure 1000 PSI 30 Minutes

Surface-Prod. Csg. Annulus — PSI Prod. Csg.-Tubing Annulus — PSI

Disposed/Injected Water Sample Taken:
_____ Yes _____ No (Attach water analysis when obtained)

This well seems to be completed in accordance with DOGM Rule 1,
Yes X No _____. If NO, write report.

Remarks:

RECEIVED
SEP 17 1982

DIVISION OF
OIL, GAS & MINING

I hereby certify that this report is true and complete to the best of my knowledge.

Name of Operator Union Oil Co. of California

BRECHMAN AREA SUPERINTENDENT
(Signature) (Title)

DOGM Field Inspector

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☐ other Nitrogen Injector
well well

2. NAME OF OPERATOR
Union Oil Company of California

3. ADDRESS OF OPERATOR
P. O. Box 2620 - Casper, WY 82602-2620

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 565' FNL & 964' FEL
AT TOP PROD. INTERVAL: Straight Hole
AT TOTAL DEPTH: Straight Hole

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>

(other) SUPPLEMENTARY WELL HISTORY

5. LEASE
U-014903

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Lisbon Unit

8. FARM OR LEASE NAME
Lisbon Unit

9. WELL NO.
D-610

10. FIELD OR WILDCAT NAME
Lisbon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 10, T.30S., R.24E.

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

14. API NO.
43-037-30694

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6,821' GR (Ungraded)

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

8,510' T.D.

MIRU well service unit on 9-7-82. SITP 1100#. C.P. 1000#. Killed well with 50 bbls. of produced water. Loaded backside with 42 bbls. of water. N.D. Xmas tree and N.U. BOP. Released packer. Well flowed out tubing. Pumped 90 bbls. of water down casing and killed well. TOOH. Ran 4-1/2" gauge ring to 7,340' and set down. Could not work below. Ran and set EZ-Drill retainer in 5-1/2" casing at 7,820'. The retainer set down and fell through spot at 7,340'. Set retainer on electric line. TIH and stung into retainer at 7,820'. Pressure tested line and tubing to 2,800#. Established injection rate at 2 bpm at 1,400#. Pressured annulus to 1,500#. Squeezed Elbert perforations, 7,888-7,962', as follows: Pumped 150 sacks of class "B" cement with 0.2% HR5 retarder to spot and stung into retainer. (CONTINUED ON ATTACHED SHEET)

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED R. G. Ladd, Jr. TITLE District Drilling Superintendent DATE 9-24-82

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE 10-4-82
BY: [Signature]

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329-1)
(2/76)

OMB 42-R0356

MONTHLY REPORT
OF
OPERATIONS
(Continued)

Lease No. U-014903
Communitization Agreement No. NA
Field Name Lisbon
Unit Name Lisbon Unit
Participating Area NA
County San Juan State Utah
Operator Union Oil Company of California

☐ Amended Report Page #3 of 3

The following is a correct report of operations and production (including status of all unplugged wells) for the month of September, 19 82

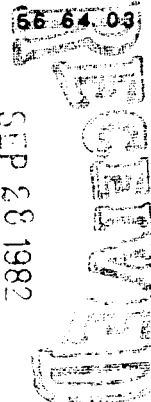
(See Reverse of Form 9-329 for Instructions)

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
D-610	Sec 10 NE NE	30S	24E	Testing					<p>slight gas blow. Treated Mississippian perfs with 10,000 gals. 28% HCl acid, 16,000 gals. of Apollo 30 gel with B-5 breaker, and 128 ball sealers in 7 stages at 4 to 2 to 3-1/2 to 5 to 2 bpm at 0-2800-1300-2400-1200-1800 psi. Displaced with 47.6 bbls. fresh water. ISDP 1500#. 1000#/5. 600#/15 mins. Swabbed & flow tested.</p> <p>MIRU service unit on 9-27-82. Pmpd. 20,000 gals. YF4 PSD pad, 15,500 gals. 28% MSR 100 acid, and 120 ball sealers, with 1100 scf of N₂/bbl at average of 4 bpm at 4350#. Flushed with 35 bbls. 2% KCl water R.D. service unit. Placed on injection on 9-28-82. Testing.</p>

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

DIVISION OF
OIL, GAS & MINING

SEP 28 1982



REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number Lisbon Unit Well No. D-610

Operator Union Oil Company of California Address P. O. Box 2620-Casper, WY 82602

Contractor Loffland Brothers Company Address 410 17th St., Denver, CO 80202

Location NE 1/4 NE 1/4 Sec. 10 T. 30S. R. 24E. County San Juan

Water Sands

<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
From	To	Flow Rate or Head	Fresh or Salty
1. Surface	3,940'	Unknown (No Flow to Surface)	Unknown
2.			
3.			
4.			
5.			

(Continue of reverse side if necessary)

Formation Tops Hermosa - 2,137'; La Sal - 3,196'; Paradox - 3,940'; Paradox Salt - 4,283'; Base of Salt - 7,228'; Redwall - 7,348'; Ouray - 7,785'; Elbert - 7,898'; McCracken - 8,054'; Aneth - 8,148';
Remarks Lynch - 8,224'

- NOTE: (a) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.
- (b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

Union Oil Company of California
Lisbon Unit Well No. D-610
San Juan County, Utah
Page 2

Squeezed perforations from 1400# to maximum squeeze pressure of 3500# with 70 sacks of cement in perforations. ISDP 3400#. P.O. of retainer and P.U. 20'. Reversed out cement. TOOH. P.U. 4-5/8" bit, one joint of tubing, and 4.6" string mill on 2-7/8" tubing. TIH. Had slight torque while working mill through spot at 7,340'. SDON.

Displaced hole with 2% KCl water. Spotted 150 gallons of 15% HCl acid, double inhibited, from 7,580-7,400'. TOOH with bit and string mill. Mill showed very slight wear. Ran gauge ring and junk basket to 7,400', O.K. Perforated Mississippian, 7,480-7,530' and 7,540-7,570', with 2 spf with 4" jet. F.L. at 800' and steady. Set 5-1/2" production packer on electric line at 7,350'. P.U. tubing. Left well open 12 hours with no flow.

Ran and landed 2-7/8" tubing at 7,351' with packer at 7,349' and seal assembly at 7,348'. Set 26,000# wt. on packer. Pressure tested seal assembly at 1200#/15 mins. N.D. BOP and N.U. wellhead. Pressure tested hanger and wraparound. SDON.

Left well open on 8/64" choke 13 hours to tank. No gas to surface or change in F.L. Swabbed 38 bbls. of load water with no oil show and a slight gas blow. F.L. surface to 7,000'. Treated Mississippian perforations, 7,480-7,570', with 10,000 gallons of 28% HCl acid, double inhibited with surfactants, plus 16,000 gallons of Apollo 30 gel with B-5 breaker and 128 ball sealers in seven stages at 4 to 2 to 3-1/2 to 5 to 2 bpm at 0 to 2800 to 1300 to 2400 to 1200 to 1800 psi. Displaced to bottom perforations with 47.6 bbls. of fresh water with friction reducer at final pump-down pressure of 1800# at 2 bpm. ISDP 1500#. 1375#/1. 1000#/5. 675#/10. 600#/15. Slight vacuum/60 mins. Total load - 690-1/2 bbls. No apparent ball action. Pressure decreased with acid on perforations and increased with gel on perforations. Ran swab and tagged F.L. at 1,000'. Swabbed 50 bbls. of load/1 hour. F.L. 1,000-1,500' in four runs and well kicked off on 5th run flowing. Flowed estimated 250 bbls. of load to pit on 1" choke in four hours. FTP 320#. SION.

SITP 1550#/12 hours. Gradually opened well to 1" choke flowing gas-cut water load with solids to pit for two hours with FTP 1550-350#. Then flowed to pit on 1" choke for 8 hours. FTP 350#. No oil show. Well flowing gas with slight water mist at end of 8-hour period. Shut in and released rig on 9-12-82. Turned to production for nitrogen injection.

FORM NO. DOGM-UIC-5
(1981)

STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING
Room 4241 State Office Building
Salt Lake City, Utah 8414
(801) 533-5771

RULE I-7 (d & e)

NOTICE OF (COMMENCEMENT) (TERMINATION) OF INJECTION
(Circle appropriate heading)

Check Appropriate Classification: _____ Date of Commencement/Termination September 1982

Disposal Well ☐

Enhanced Recovery Injection Well ☐

Enhanced Recovery Project ☐

Well Name Lisbon Unit D-610

Location: Section 10 Twp. 30-S Rng. 24-E, County San Juan

Order No. authorizing Injection 136-2 Date 6-25-81

Zone into Which Fluid Injected Mississippian

If this is a Notice of Termination of injection, please indicate date well commenced injection. _____

If this is a Notice of Termination of injection, please indicate if well is to be plugged or returned to production; if returned to production, indicate producing interval _____

Operator Union Oil Company of California

Address P.O. Box 760, Moab, Utah 84532-0760

BRH
Signature

7-26-82
Date

INSTRUCTION: If this is notification of an enhanced recovery project injection termination, it must be accompanied by an individual well status report for all project injection wells.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329-1)
(2/76)

OMB 42-R0356

MONTHLY REPORT
OF
OPERATIONS
(Continued)

Lease No. U-4903
Communitization Agreement No. NA
Field Name Lisbon
Unit Name Lisbon Unit
Participating Area NA
County San Juan State Utah
Operator Union Oil Company of California

☐ Amended Report

Page #2 of 3

The following is a correct report of operations and production (including status of all unplugged wells) for the month of September, 19 82

(See Reverse of Form 9-329 for Instructions)

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
D-610	Sec 10 NE NE	30S	24E	Testing					<p>MIRU well service unit on 9-7-82. Killed well. TOOH. Ran and set EZ-Drill re-tainer at 7820'. Squeezed Elbert perforations, 7888-7962' with 150 sx. cement. TOOH. Milled. Displaced hole with 2% KCl water. Spotted 150 gals. of 15% HCl acid from 7580-7400'. TOOH. Perforated Mississippian, 7480-7530' and 7540-7570' with 2 spf with 4" jet.</p> <p>Ran and landed 2-7/8" tubing at 7351' with packer at 7349' and seal assembly at 7348'. N.U. wellhead. SDON.</p> <p>Left well open on 8/64" choke 13 hrs. to tank. No gas to surface or change in F.L. Swabbed 38 bbls. of load water with no oil show and a</p> <p>(Cont'd on Next Pg</p>

(6) UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329)
(2/76)
OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No. U-014903
Communitization Agreement No. NA
Field Name Lisbon
Unit Name Lisbon Unit
Participating Area NA
County San Juan State Utah
Operator Union Oil Company of California
☐ Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of September, 19 82

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
D-610	Sec. 10 NE NE	30S	<u>Daly</u> 24E	TESTING					SEE ATTACHED A.P.I. No. 43-037-30694

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	<u>None</u>	<u>XXXXXXXXXXXXXXXXXX</u>	<u>XXXXXXXXXXXXXXXXXX</u>
*Produced	<u>None</u>	<u>None</u>	<u>None</u>
*Sold	<u>None</u>	<u>None</u>	<u>XXXXXXXXXXXXXXXXXX</u>
*Spilled or Lost	<u>None</u>	<u>XXXXXXXXXXXXXXXXXX</u>	<u>XXXXXXXXXXXXXXXXXX</u>
*Flared or Vented	<u>XXXXXXXXXXXXXXXXXX</u>	<u>None</u>	<u>XXXXXXXXXXXXXXXXXX</u>
*Used on Lease	<u>None</u>	<u>None</u>	<u>XXXXXXXXXXXXXXXXXX</u>
*Injected	<u>None</u>	<u>None</u>	<u>None</u>
*Surface Pits	<u>XXXXXXXXXXXXXXXXXX</u>	<u>XXXXXXXXXXXXXXXXXX</u>	<u>None</u>
*Other (Identify)	<u>None</u>	<u>None</u>	<u>None</u>
*On hand, End of Month	<u>None</u>	<u>XXXXXXXXXXXXXXXXXX</u>	<u>XXXXXXXXXXXXXXXXXX</u>
*API Gravity/BTU Content	<u>None</u>	<u>None</u>	<u>XXXXXXXXXXXXXXXXXX</u>

Authorized Signature: James R. Hooper Address: P.O. Box 2620 Casper, Wyoming 82602
Title: District Clerical Supervisor 113 Page 1 of 3

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well ☐ gas ☐ well ☐ other Nitrogen Injector

2. NAME OF OPERATOR
Union Oil Company of California

3. ADDRESS OF OPERATOR
P. O. Box 2620 - Casper, WY 82602-2620

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 565' FNL & 964' FEL (NW NE NE)
AT TOP PROD. INTERVAL: Straight Hole
AT TOTAL DEPTH: Straight Hole

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐

SUBSEQUENT REPORT OF:

☐
☐
☐
☐
☐
☐
☐
☐

(other) SUPPLEMENTARY WELL HISTORY & INJECTION RATE

RECEIVED
OCT 13 1982

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

DIVISION OF
OIL, GAS & MINING

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

8,510' T.D.

Placed on injection on 9-23-82. Tested.

MIRU well service unit on 9-27-82. T.P. 2200 psi. Pumped 20,000 gals. of YF4 PSD pad, 15,500 gals. of 28% MSR 100 acid, and 120 ball sealers in seven stages, with 1,100 scf of N₂/bbl. in all stages, at average rate of 4 bpm at 4350 psi. Flushed with 35 bbls. of 2% KCl water with 1,460 scf/bbl. N₂. S.D. 20 minutes. Instantaneous pressure 3750 psi. Bled to 3350 in 20 minutes. Released well service unit on 9-27-82. Flowed well to pit recovering fluid and N₂. Flowed overnight to clean up well. Placed on injection on 9-28-82.

10-3-82: Injecting at rate of 5.92 MMCFD at 2900 psi T.P.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED R. G. Ladd, Jr. TITLE District Drilling Superintendent DATE 10-4-82

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See instructions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input type="checkbox"/>	UNIT AGREEMENT NAME		
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	Lisbon Unit
2. NAME OF OPERATOR							Lisbon Unit
Union Oil Company of California							9. WELL NO.
3. ADDRESS OF OPERATOR							D-610
P. O. Box 2620 - Casper, WY 82602-2620							10. FIELD AND POOL, OR WILDCAT
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)							Lisbon
At surface 565' FNL & 964' FEL (NW NE NE)							11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
At top prod. interval reported below							Sec. 10, T.30S., R.24E.
At total depth							12. COUNTY OR PARISH
Straight Hole							San Juan
14. PERMIT NO.							13. STATE
43-037-30694							Utah
DATE ISSUED							19. ELEV. CASINGHEAD
7-8-81							6,822.5'
15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, REB, RT, GR, ETC.) *		19. ELEV. CASINGHEAD		
1-14-82*	3-17-82	On Injection 9-28-82	6,821' GR (Ungraded)		6,822.5'		
20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY *	23. INTERVALS DRILLED BY	23. INTERVALS DRILLED BY	23. INTERVALS DRILLED BY	23. INTERVALS DRILLED BY	
8510' MD 8498' TVD	7820' ETD						
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) *						25. WAS DIRECTIONAL SURVEY MADE	
7,480-7,570' MD) 7,469-7,559' TVD) - Redwall Fm (Mississippian) (Nitrogen Injector)						NA	
26. TYPE ELECTRIC AND OTHER LOGS RUN						27. WAS WELL CORED	
FDC-CNL w/GR & Caliper, DLL w/MSFL, Integrated BHC Sonic, & HDT Dipmeter						No	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD		AMOUNT PULLED	
16"	(Conductor)	50'	20"	10 sx.		- - -	
9-5/8"	36#	1,025'	12-1/4"	600 sx.		- - -	
5-1/2"	17# & 20#	8,510'	8-3/4"	1,900 sx.		- - -	
29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT *	SCREEN (MD)	SIZE	DEPTH SET (MD)	
- - -	- - -	- - -	- - -	- - -	2-7/8"	7,351'	
31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
(4" gun)				DEPTH INTERVAL (MD)			
8436-8472'-Aneth-2spf-Abd. (CIBP @ 8400')				AMOUNT AND KIND OF MATERIAL USED			
8085-8089' & 8112-8143'-McCracken-4spf-Abd**				8436-8472'			
7888-7892', 7899-7901')-Elbert-2spf-Sqzd.				3000 gals 15% HCl w/NE & LST			
7920-7928' & 7958-7962')				additives & 72 ball sealers			
7480-7530' & 7540-7570'-Mississippian-2spf				7888-7962'			
				2000 gals 15% HCl w/NE & LST			
				additives & 50 ball sealers			
33. PRODUCTION (Continued on Next Page)							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)			WELL STATUS (Producing or shut-in)		
- - - - -		Placed on injection on 9-28-82.***			Nitrogen Injector		
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	
- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	NA	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)					TEST WITNESSED BY		
NA					**Cement Retainer @ 8054'		
35. LIST OF ATTACHMENTS					B. Govreau		
None					*** 10-3-82: Injecting at rate of 5.92		
					MMCFD at 2900 psi T.P.		
					*MIRU rotary rig on 2-7-82		
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED		R. G. Ladd, Jr.			TITLE District Drilling Supt.		
					DATE 10-5-82		

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions. If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

No. 32. Acid, Shot, Fracture, Cement Squeeze, Etc. - Continued

Depth Interval Amount and Kind of Material Used

7888-7962' 1000 gals 15% HCl acid w/NE & LST additives & 48 ball sealers

7888-7962' 13,300 gals 20% HCl acid

7480-7570' (1) 10,000 gals 28% HCl & 16,000 gals Apollo-30 gel & 128 ball sealers

37. SUMMARY OF POROUS ZONES: (2) 15,500 gals 28% MSR acid; 20,000 gals YF4 PSD pad & 120 ball sealers (1100 scf N₂/bbl.)
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORRED INTERVALS; AND ALL DRIFT-STEM TESTS, INCLUDING 38.
DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Hermosa	2,137'	3,196'	Sands, limestones, shales. (Sands are water wet)	Hermosa	2,137'	
Redwall	7,348'	7,785'	Dolomite contains gas in porous zones.	La Sal	3,196'	
Ouray	7,785'	7,898'	Dolomite is water wet.	Paradox	3,940'	
Elbert	7,898'	8,047'	Dolomites and limestones are water-wet with oil cut.	Paradox Salt	4,283'	
McCracken	8,054'	8,148'	Sands contain gas.	Base of Salt	7,228'	
Lynch	8,224'	8,510'	Dolomite contains gas.	Redwall	7,348'	
			No DST's	Ouray	7,785'	
			NOTE: Blowout preventers tested daily in accordance with Union Oil Company policy and reported by drilling contractor personnel on tour sheets.	Elbert	7,898'	
				McCracken	8,054'	
				Aneth	8,148'	
				Lynch	8,224'	

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☐ other ☒ Nitrogen Injector
2. NAME OF OPERATOR
Union Oil Company of California
3. ADDRESS OF OPERATOR
P. O. Box 2620 - Casper, WY 82602-2620
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 565' FNL & 964' FEL (NW NE NE)
AT TOP PROD. INTERVAL: Straight Hole
AT TOTAL DEPTH: Straight Hole
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other) PERFORATING	<input type="checkbox"/>		<input type="checkbox"/>

5. LEASE
U-014903
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
Lisbon Unit
8. FARM OR LEASE NAME
Lisbon Unit
9. WELL NO.
D-610
10. FIELD OR WILDCAT NAME
Lisbon
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 10, T.30S., R.24E.
12. COUNTY OR PARISH
San Juan
13. STATE
Utah
14. API NO.
43-037-30694
15. ELEVATIONS (SHOW DF, KDB, AND WD)
6821' GR (Ungraded)

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

8,510' TD

MIRU electric line on 10-8-82. RIH with flow meter and temp. tool. Ran Temp. Diff. Log from 7400-7600'. Temp. Log indicated flow in top perfs, 7480-7530'. Made 8 passes with Continuous Flow Survey. (Injec. rate 5,327 MCFD) Flow Survey indicated upper perfs, 7480-7530', taking total flow evenly across perfs. Lower perfs, 7540-7570', showed no flow. POOH with electric line. Stopped injec. RIH with 2-7/8" thru-tubing perf gun. Flowed well to pit. Perforated Mississippian from 7605-7710' with 4 spf. Reperforated 7540-7570' with 2 spf. Flowed well one hour to pit. POOH with gun. Placed on nitrogen injection at 2:30 a.m., 10-9-82, at 6,500 MCFD at 2750# T.P.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED R. G. Ladd, Jr. TITLE District Drilling Superintendent DATE 10-14-82

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 11/8/82

*See Instructions on Reverse Side

BY: [Signature]



Norman H. Bangertter

Governor

Dee C. Hansen

Executive Director

Dianne R. Nielson, Ph.D.

Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

File
50 11 10 43-03730654

December 2, 1988

Union Oil Company of California
P.O. Box 760
Moab, Utah 84532

Gentlemen:

Re: Pressure Test for Mechanical Integrity, Lisbon Unit Wells D-84, D-610, B-614, B-624, San Juan County, Utah

The Underground Injection Control Program which the Division of Oil, Gas and Mining (DOGM) administers in Utah, requires that all Class II injection wells demonstrate mechanical integrity. It has been past policy of the Division to require pressure testing of all Class II salt water disposal wells and other injection wells not reporting monthly annulus pressures in accordance with rule R615-5-5.3 of the Oil and Gas Conservation General Rules. This rule requires that the casing-tubing annulus above the packer be pressure tested at a pressure equal to the maximum authorized injection pressure or 1,000 psi, whichever is lesser, provided that no test pressure is less than 300 psi. This test shall be performed at least every five year period beginning October, 1982. Our records indicate the above referenced wells are due for testing for the second five year period. Please make arrangements and ready the wells for testing on January 4, 1988 as outlined below:

1. Operators must furnish connections, and accurate pressure gauges, hot oil truck (or other means of pressuring annulus), as well as personnel to assist in opening valves etc.
2. If mechanical difficulties or workover operations make it impossible for the well to be tested on this date the test may be rescheduled.
3. Company personnel should meet DOGM representatives at the well site or other location as negotiated.
4. All bradenhead valves with exception of the tubing on the injection well must be shut in 24 hours prior to testing.

Page 2
Pressure Test
December 2, 1988

Please contact Mr. Dan Jarvis at (801) 538-5340 to arrange a meeting time or negotiate a different date if this one is unacceptable.

Sincerely,

A handwritten signature in black ink, appearing to read "Gil Hunt". The signature is fluid and cursive, with the first name "Gil" and last name "Hunt" clearly distinguishable.

Gil Hunt
Environmental/Geological Supervisor

bd
UI1/13-14

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
INJECTION WELL - PRESSURE TEST

TEST DATE: 1/26/89 WELL OWNER/OPERATOR: UNOCAL
DISPOSAL WELL: ENHANCED RECOVERY WELL: ^{SI} ~~gas~~ OTHER:
API NO: 43- 037-30694 WELL NAME/NUMBER: D-610
SECTION: 10 TOWNSHIP: 30S RANGE: 24E

INITIAL CONDITIONS:

TUBING - rate: 0 pressure: 0
CASING/TUBING ANNULUS - pressure: 0

CONDITIONS DURING TEST:

TUBING pressure: 0 psi for 15 minutes
CASING/TUBING ANNULUS pressure: 970 psi
annulus pressure drop during test: psi

CONDITIONS AFTER TEST:

TUBING pressure: 0 psi
CASING/TUBING ANNULUS pressure: 0 psi

REMARKS:

This is an old nitrogen injection well
and is being evaluated for Hydrocarbon gas injection
OK. passed MIT

OPERATOR REPRESENTATIVE

D. J. [Signature]
DOGM WITNESS

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIP
(Other instruction
verse side)

TE
re

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Nitrogen Injector (Miss.)	5. LEASE DESIGNATION AND SERIAL NO. U-014903
2. NAME OF OPERATOR Union Oil Company of California	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 2620 - Casper, WY 82602-2620	7. UNIT AGREEMENT NAME Lisbon Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations. See also space 17 below.) 565' FNL & 964' FEL (NW NE NE)	8. FARM OR LEASE NAME Lisbon Unit
9. WELL NO. D-610	10. FIELD AND POOL, OR WILDCAT Lisbon
11. PERMIT NO. API 43-037-3069	12. COUNTY OR PARISH San Juan
13. ELEVATION (Show whether DF, RT, GR, etc.) 6821' GR (Ungraded)	13. STATE Utah

RECEIVED
JUN 02 1989

DIVISION OF
OIL, GAS & MINING

14. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) Convert to McCracken GI <input checked="" type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Re-completion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

8510' TD
9-5/8" @ 1025'
5-1/2" @ 8510'

Drilled in 1982.
Perfs
8436-8472'-Aneth-Abd (CIBP @ 8400')
8085-8089' & 8112-8143'-McCracken-Abd
(Cmt Ret @ 8054')
7888-7892' & 7899-7901'-Elbert-Sqzd
7920-7928' & 7958-7962'-Elbert-Sqzd
7480-7530' & 7540-7570'-Miss.-Open
7605-7710'-Miss.-Open

Lisbon Unit Well No. D-610 is an idle Mississippian nitrogen injection well. Union Oil Company of California recently purchased the well from the Unit owners, and proposes to convert the well to a McCracken gas injection well for the purpose of secondary recovery in the McCracken formation.

Proposed Plan of Procedure

MIRU pulling unit. N.U. and test BOP. POOH with production equipment. Set cement retainer at 7585'. Squeeze Mississippian perforations 7605-7710' with 150 sacks cement, spotting any cement left in tubing on top

(Continued on Attached Sheet)

18. I hereby certify that the foregoing is true and correct

SIGNED John R. Underhill	TITLE District Drilling Supt.	DATE 5-30-89
(This space for Federal or State office use)		
APPROVED BY _____	TITLE _____	DATE _____
CONDITIONS OF APPROVAL, IF ANY:		

*See Instructions on Reverse Side

Union Oil Company of California
Lisbon Unit Well No. D-610
Lisbon Field
San Juan County, Utah
5-30-89
Page 2

of retainer. Drill out cement to 7585'. Pressure test Mississippian perfs, 7480-7530' and 7540-7570'. If perfs do not hold pressure, RIH with cement retainer and set at $\pm 7400'$, squeeze perfs with 150 sacks cement. Drill out retainers and cement to 8393'. Pressure test squeezes. Circulate hole clean and fill well with 2% KCl water.

Perforate McCracken formation with 4" casing gun from 8066-8069', 8073-8076', 8085-8089', 8096-8101', and 8112-8143', with 4 jspf. Acidize well with 5000 gals 15% MSR100 mud and silt acid at 4-6 bpm at maximum pressure of 5000 psi, diverting with ball sealers. Swab test. Perform nitrogen injection tests. Shut well in for fall-off test. Fracture stimulate as required to establish injectivity. Clean out to 8393'. POOH.

RIH with model "D" production packer and set at 8010'. RIH with locator seal assembly, pressure sub, non-ported S.N., 2-3/8" tubing, and model "FH" hydrostatic double-grip packer on 2-7/8" tubing. Sting into model "D" packer and set model "FH" packer at $\pm 7430'$. Load annulus with packer fluid and pressure to 1000 psi to test packer, casing and tubing. N.D. BOP & N.U. wellhead. Release rig.



Norman H. Bangerter
Governor

Dee C. Hansen
Executive Director

Dianne R. Nielson, Ph.D.
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

June 27, 1989

Union Oil Company of California
P.O. Box 2620
Casper, Wyoming 82602-2620

Attn: John R. Underhill

RE: Request to Convert the Lisbon Unit D-610 Well to a McCracken Gas Injection Well

The Division received a sundry notice from you dated May 30, 1989, requesting approval to convert the referenced well to a gas injection well. We are returning this sundry to you without taking action. The Division is unable to administratively approve such a conversion until the recovery project has been properly approved by the Board of Oil, Gas and Mining after notice and hearing. Enclosed are copies of the Oil and Gas Conversation, General Rules and Board Procedural Rules which will help in preparing your petition to the Board.

If we can be of assistance in your pursuit of approval for this project, please don't hesitate to call.

Sincerely,

Gil Hunt
UIC Manager

tlc
cc: R.J. Firth
Enclosure
UI1/122

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR Union Oil Company of California dba Unocal
ADDRESS P.O. Box 760
Moab, Utah 84532

Well name and number: Lisbon Unit No. D-610

Field or Unit name: Lisbon McCracken Unit Lease no. U-014903

Well location: QQ NE NE section 10 township 30S range 24E county San Juan

Is this application for expansion of an existing project? . . Yes ☐ No ☒

Will the proposed well be used for: Enhanced Recovery? . . Yes ☒ No ☐
Disposal? Yes ☐ No ☒
Storage? Yes ☐ No ☒

Is this application for a new well to be drilled? Yes ☐ No ☒

If this application is for an existing well,
has a casing test been performed on the well? Yes ☒ No ☐

Date of test: 1-24-89

API number: 43-037-30694

Proposed injection interval: from 8062 to 8143'

Proposed maximum injection: rate 4000 MCFD pressure 4000 psig

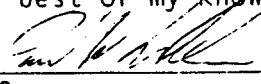
Proposed injection zone contains ☒ oil, ☒ gas, and/or ☐ fresh water within 1/2 mile of the well.

IMPORTANT: Additional information as required by R615-5-2 should accompany this form.

List of Attachments: Please see attached list of attachments.

I certify that this report is true and complete to the best of my knowledge.

Name Paul W. Lokke
Title Production Engineer
Phone No. (801) 686-2236

Signature 
Date 9-6-89

(State use only)
Application approved by _____ Title _____
Approval Date _____

Comments:

R615-5-2. Requirements For Class II Injection Wells
Including Water Disposal, Storage and Enhanced
Recovery Wells.

Section 2 - Requirements for injection well application.

- 2.1 Please find the attached plat (attachment UIC-1) showing the location of the injection well No. D-610, and all wells within 1/2 mile of the injector.
- 2.2 The following well logs for well No. D-610 are already on file with the Division :
 - Borehole Compensated Sonic Log
 - Dual Laterolog
 - Compensated Neutron - Formation Density Log
- 2.3 Please find the attached Differential Temperature Log (attachment UIC-2) which was run 10/8/82. This log shows no movement of fluid between zones behind the casing. This is a good indication of a good primary cement job.
- 2.4 Please see section 2.2 above.
- 2.5 Please find the attached Sundry Notice (attachment UIC-3) for the recompletion of well No. D-610. Also attached are wellbore diagrams for both the existing and proposed completions (attachments UIC-4 & UIC-5).
- 2.6 Produced Lisbon Unit (Mississippian formation) gas will be purchased from the Lisbon Unit owners for injection into well No. D-610. The estimated daily injection rate will be 3500 MCFD.
- 2.7 Please find the attached oil and gas analyses for produced fluids and the injection gas (attachments UIC-6, UIC-7, & UIC-8). Due to the very small amount of water produced, it is impossible to obtain a representative produced water sample from the McCracken formation.
- 2.8 The average gas injection pressure will be 3500 psig. The maximum pressure will be 4000 psig. A fracture pressure of 5300 psig was assumed based on a fracture gradient of 1.5 psig/ft and a depth of 8000'.
- 2.9 The depth between the base of the fresh water aquifers and the injection interval is over 7000'. The strata between consists of approximately 3000' of salt and 4000' of sandstone, limestone and shale intervals. The

stratum are such that there is no chance that one could fracture from the injection interval to the aquifer.

- 2.10 Please find the attached chart (attachment UIC-9) showing the lithological sequence found in the field. This chart was obtained from well No. D-610. Some variation in formation depth from site to site is common within the Unit. Also find attached a geological summary of the area (attachment UIC-10).
- 2.11 There are two wells within 1/2 mile of the proposed injection well, No. D-610. The well completion record (attachment UIC-11) and the abandonment report (attachment UIC-12) for one of these wells, No. C-93, are attached. The well has been adequately plugged to prevent contamination of fresh water aquifers. The other well, No. B-610 is a dually completed McCracken formation producer and UIC approved Mississippian injector. The well passed a mechanical integrity test on 12/27/88.
- 2.12 Please find the attached affidavit (attachment UIC-13) certifying that a copy of this application has been provided to all operators, owners, and surface owners within 1/2 mile radius of this proposed injector, No. D-610.
- 2.13 Addition Information :

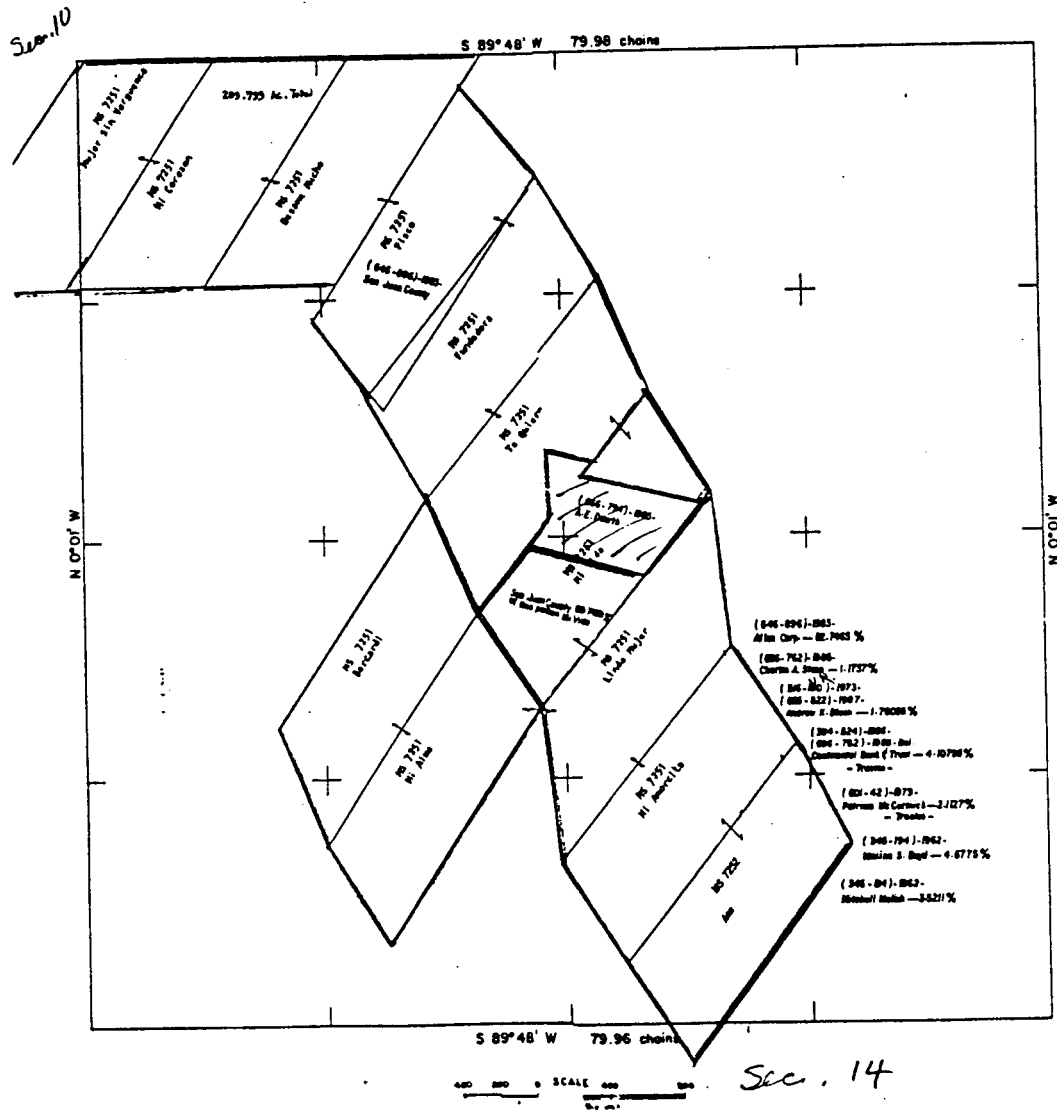
This proposed injector, Lisbon No. D-610 is currently completed as an approved UIC nitrogen injection well in the Mississippian formation for the Lisbon Unit.

A choke for controlling injection rate and a valve for shut-in exist at the injection well. The gas injection system, which will operate between 3000 and 4000 psig, will also be controllable from the Lisbon McCracken Unit compressor located at Well No. B-610. This control will include a pressure relief valve and high pressure compressor kill switch.

A mechanical integrity test for this well was witnessed by Utah State officials on 1/24/89. This was prior to the wells recompletion as a McCracken injector. Upon recompletion this well will be retested in accordance with procedure set forth in Utah State regulations. This well will be pressure tested every five years as required, and monthly injection pressures and volumes will be reported.

SAN JUAN COUNTY, UTAH

SECTION 11 T 30 S R 24 E SALT LAKE MERIDIAN, UTAH



Order No. 17479

- A. This is the way the County Recorder has figured the ownership of the Steen claims:

Blue = San Juan County 100%

Red =	Atlas Corp. 743 Horizon Ct. - Suite 200 Grand Junction, CO 81506	82.7465%
	(except for South part of MiVida which Atlas conveyed their interest of 82.7465% to San Juan County)	
	Charles A. Steen, Jr. 7621 El Monte Drive Buena Park, CA 09621	1.1737%
	Andrew K. Steen (last tax notices have been returned to county, need to check with Charles A. Steen, Jr.)	1.76055%
	Moore Trust Company, Trustee 220 S. Main (for Steen children) Salt Lake City, Utah 84101 (this tax notice has been returned to county with notation that the trust has been closed.)	4.10796%
	Patricia McCormick, Trustee for children and grandchildren Aurora, MO 62505	2.1127%
	Maxine S. Boyd Melody Estates Route 1 - Box 928 Price, Utah 84501	4.5775%
	Mitchell Melich 900 Donner Way Salt Lake City, Utah 84108	3.5211%
		<hr/> 100.00%
Green =	A. E. Dearth 94 South Holman Way Golden, CO 80401	100.00%

- B. T30S R24E, Sec 15: W $\frac{1}{2}$ W $\frac{1}{2}$, SE $\frac{1}{2}$ SW $\frac{1}{2}$

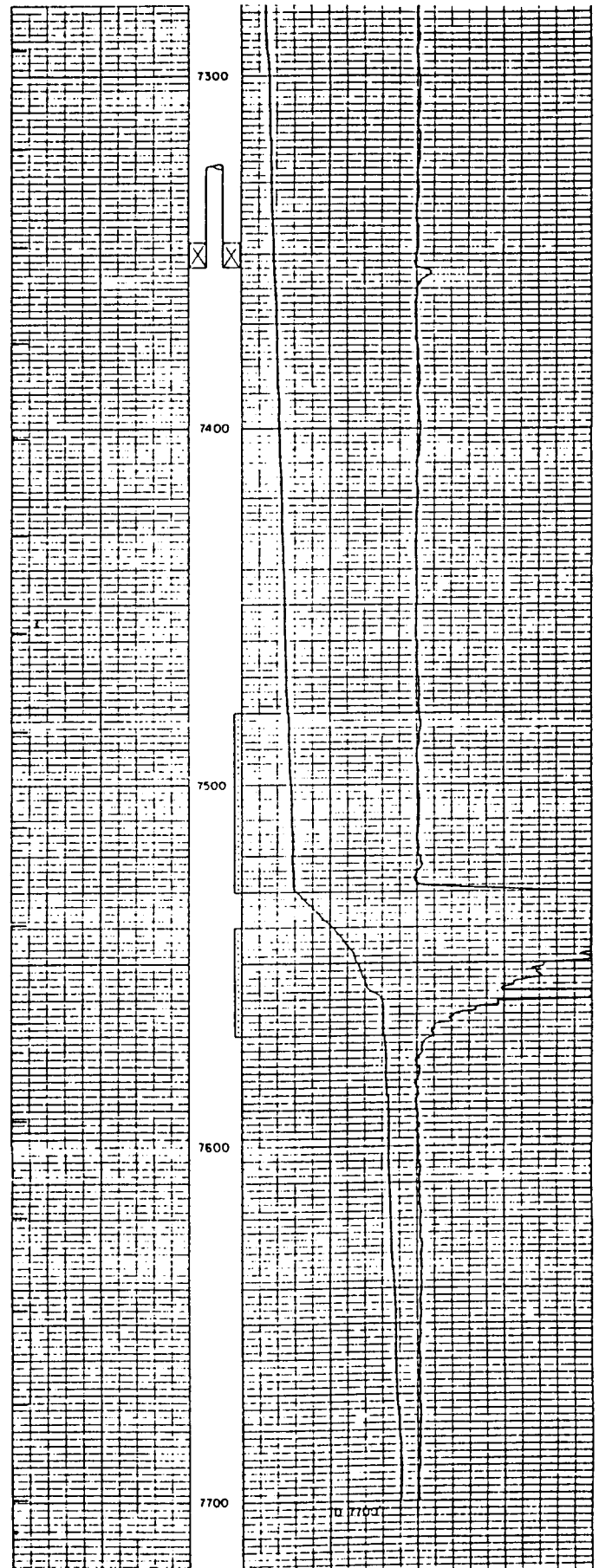
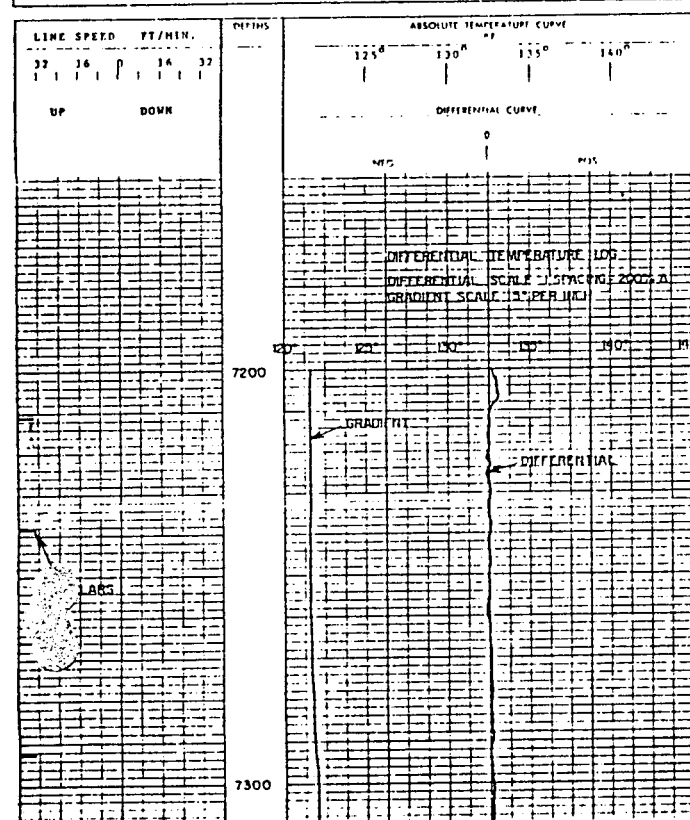
The Pure Oil Co.
1700 Broadway,
Denver, CO

Plat of Sec. 11 and copies of tax cards enclosed.

U.I. Permit Application
Lisbon McCracken No. D-610
Attachment No. UIC-2

[illegible]

LOGGING DATA		EQUIPMENT DATA	
0	Drill Pipe	2200'	ST-218
1	Drill Pipe	2200'	ST-218
2	Drill Pipe	2200'	ST-218
3	Drill Pipe	2200'	ST-218
4	Drill Pipe	2200'	ST-218
5	Drill Pipe	2200'	ST-218
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88	Drill Pipe	2200'	ST-218
89	Drill Pipe	2200'	ST-218
90</			



SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different re
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Nitrogen Injector (Miss.)		7. UNIT AGREEMENT NAME Lisbon Unit	
2. NAME OF OPERATOR Union Oil Company of California		8. FARM OR LEASE NAME Lisbon Unit	
3. ADDRESS OF OPERATOR P. O. Box 2620 - Casper, WY 82602-2620		9. WELL NO. D-610	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 565' FNL & 964' FEL (NW NE NE)		10. FIELD AND POOL, OR WILDCAT Lisbon	
14. PERMIT NO. API 43-037-30694		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 10, T30S, R24E	
15. ELEVATIONS (Show whether DF, RT, CR, etc.) 6821' GR (Ungraded)		12. COUNTY OR PARISH San Juan	
		13. STATE Utah	

12. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) Convert to McCracken GI ☒PULL OR ALTER CASING ☐MULTIPLE COMPLETION ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐(NOTE: Report results of multiple completion on Well
Completion or Re-completion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

8510' TD

9-5/8" @ 1025'

1 1/2" @ 8510'

Drilled in 1982.

Perfs

8436-8472'-Aneth-Abd (CIBP @ 8400')

8085-8089' & 8112-8143'-McCracken-Abd
(Cmt Ret @ 8054')

7888-7892' & 7899-7901'-Elbert-Sqzd

7920-7928' & 7958-7962'-Elbert-Sqzd

7480-7530' & 7540-7570'-Miss.-Open

7605-7710'-Miss.-Open

Lisbon Unit Well No. D-610 is an idle Mississippian nitrogen injection well. Union Oil Company of California recently purchased the well from the Unit owners, and proposes to convert the well to a McCracken gas injection well for the purpose of secondary recovery in the McCracken formation.

Proposed Plan of Procedure

MIRU pulling unit. N.U. and test BOP. POOH with production equipment. Set cement retainer at 7585'. Squeeze Mississippian perforations 7605-7710' with 150 sacks cement, spotting any cement left in tubing on top

(Continued on Attached Sheet)

18. I hereby certify that the foregoing is true and correct.

SIGNED

John R. Underhill

(This space for Federal or State office use)

TITLE District Drilling Supt. DATE 5-30-89

APPROVED BY

William C. Huggins

TITLE District Manager (Acting)

DATE 6/8/89

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Union Oil Company of California
Lisbon Unit Well No. D-610
Lisbon Field
San Juan County, Utah
5-30-89
Page 2

U. C. Permit Application
~~Lisbon~~ McCracken No. D-610
Attachment No. UIC-3
Page No. 2 of 2

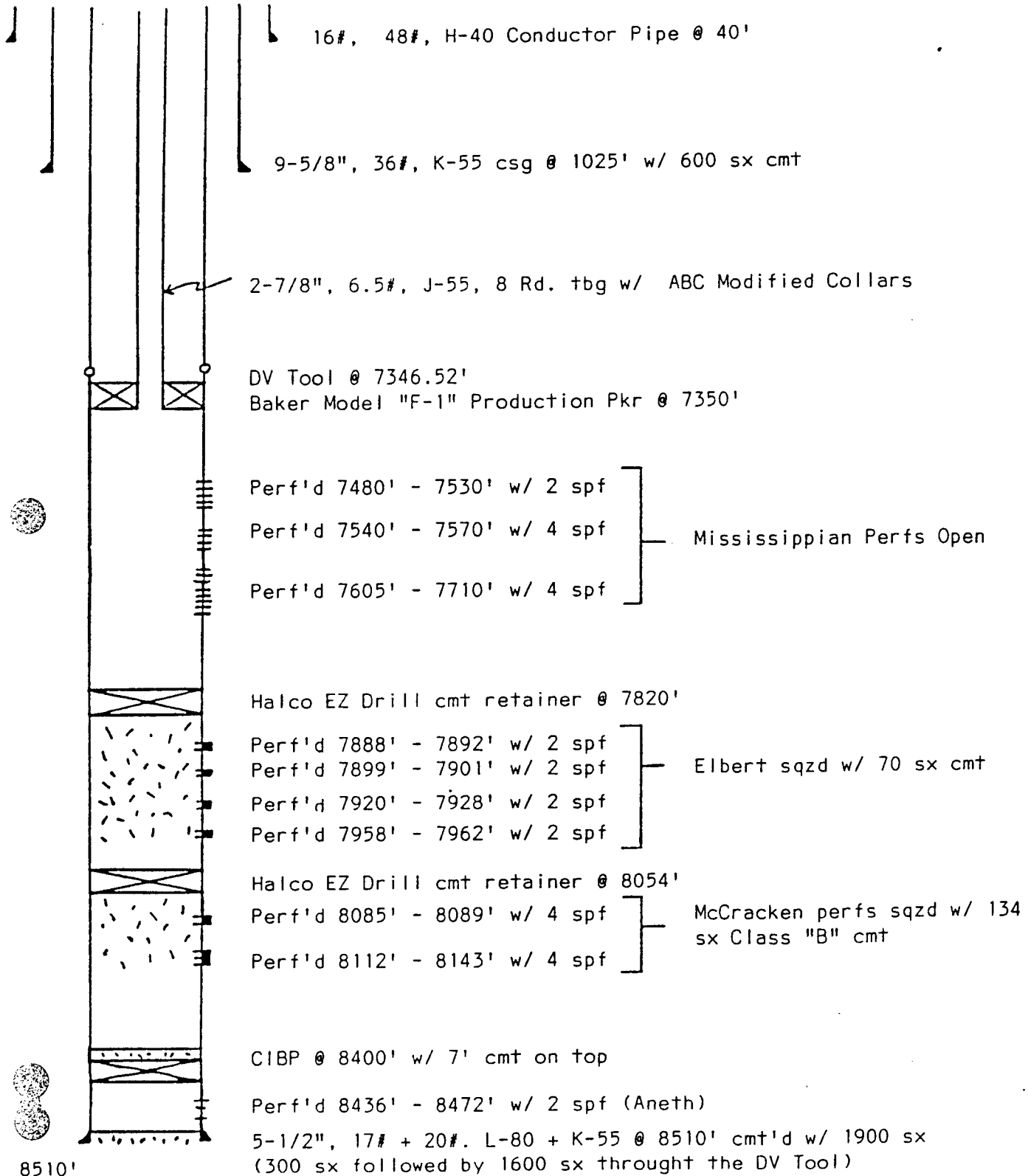
of retainer. Drill out cement to 7585'. Pressure test Mississippian perfs, 7480-7530' and 7540-7570'. If perfs do not hold pressure, RIH with cement retainer and set at $\pm 7400'$, squeeze perfs with 150 sacks cement. Drill out retainers and cement to 8393'. Pressure test squeezes. Circulate hole clean and fill well with 2% KCl water.

Perforate McCracken formation with 4" casing gun from 8066-8069', 8073-8076', 8085-8089', 8096-8101', and 8112-8143', with 4 jspf. Acidize well with 5000 gals 15% MSR100 mud and silt acid at 4-6 bpm at maximum pressure of 5000 psi, diverting with ball sealers. Swab test. Perform nitrogen injection tests. Shut well in for fall-off test. Fracture stimulate as required to establish injectivity. Clean out to 8393'. POOH.

RIH with model "D" production packer and set at 8010'. RIH with locator seal assembly, pressure sub, non-ported S.N., 2-3/8" tubing, and model "FH" hydrostatic double-grip packer on 2-7/8" tubing. Sting into model "D" packer and set model "FH" packer at $\pm 7430'$. Load annulus with packer fluid and pressure to 1000 psi to test packer, casing and tubing. N.D. BOP & N.U. wellhead. Release rig.

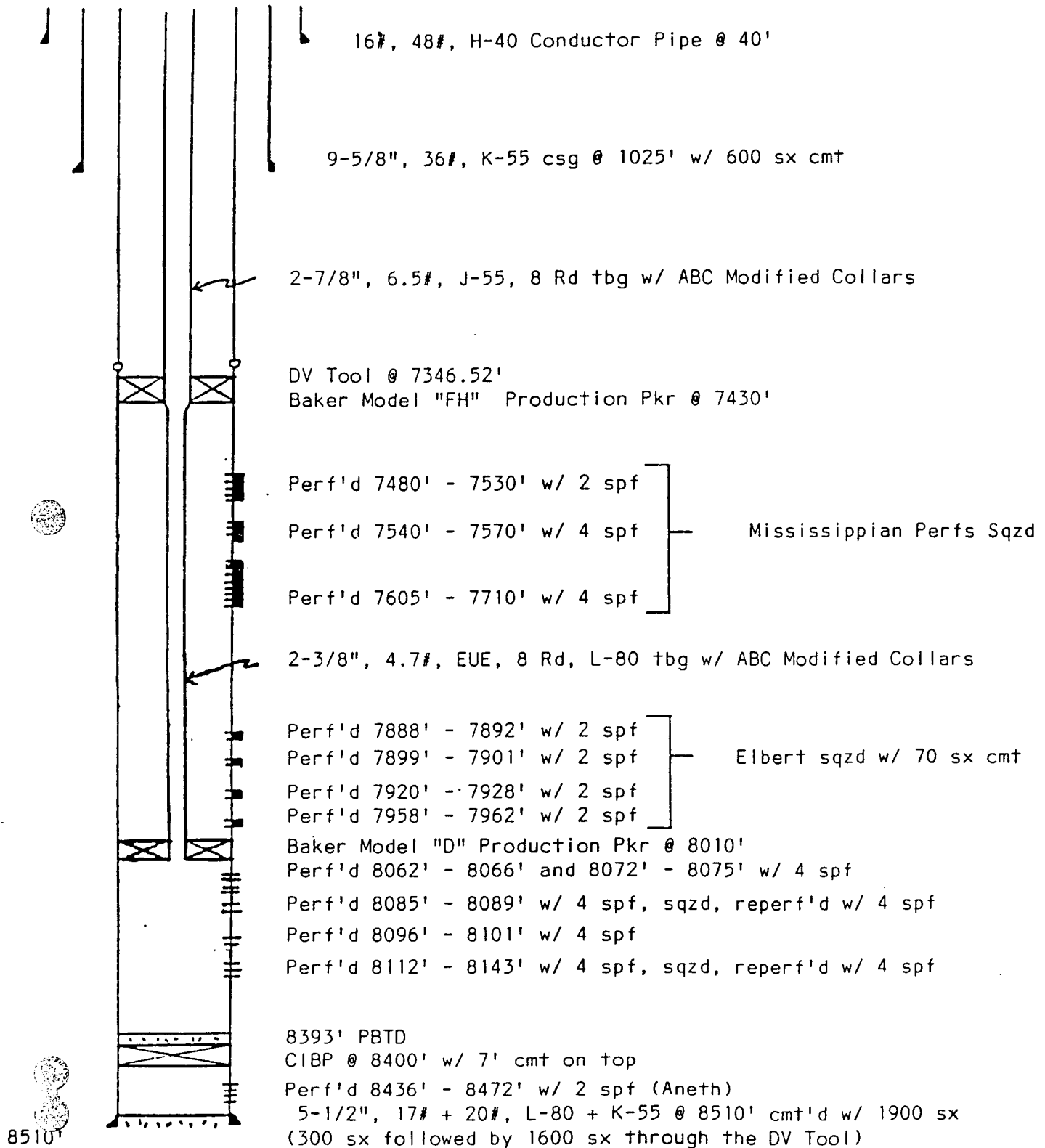
SAN JUAN COUNTY, UTAH

(EXISTING)



SAN JUAN COUNTY, UTAH

(PROPOSED)



File ARFL-850146

Well McCracken A-911

HYDROCARBON ANALYSIS OF SEPARATOR LIQUID SAMPLE

<u>Component</u>	<u>Mol Percent</u>	<u>Weight Percent</u>	<u>Density Gm/cc</u>	<u>°API Gravity @ 60°F.</u>	<u>Molecular Weight</u>
Hydrogen Sulfide	0.00	0.00			
Carbon Dioxide	0.11	0.03			
Nitrogen	0.04	0.01			
Methane	0.71	0.06			
Ethane	0.81	0.13			
Propane	1.81	0.44			
iso-Butane	0.62	0.20			
n-Butane	2.00	0.64			
iso-Pentane	1.71	0.68			
n-Pentane	3.10	1.24			
Hexanes	7.23	3.37			
Heptanes	11.44	6.09			
Octanes	13.44	7.97			
Nonanes	11.87	7.96			
Decanes	9.54	7.09			
Undecanes plus	<u>35.57</u>	<u>64.09</u>	0.8398	36.8	325
	100.00	100.00			

Properties of Heptanes plus Fraction

Density, gm/cc @ 60°F.	0.8105
°API @ 60°F.	42.9
Molecular Weight	205

GAS CHROMATOGRAPH ANALYSIS, @ 60 F, 14.73 P.S.I.A.
UNOCAL CORPORATION, MOAB AREA LAB

DATE SAMPLE TAKEN: 05-09-89 SAMPLE SOURCE: FR-10 4th Stage Suction
SAMPLE TEMP.: ?
SAMPLE PRESS: ATMOS
FILAMENT CURRENT M.A.: 220 V
CARRIER GAS PRESS. PSIG: 100
INSTRUMENT TEMPERATURE: 50°C
SAMPLE LOADING PRESSURE: ATMOS

COMPONENT	MOL%	GPM
H2S	0.54	
N2	14.48	
CO2	27.58	
C1	47.57	
C2	9.10	2.43
C3	0.56	0.15
IC	0.04	0.01
NC4	0.07	0.02
IC5	0.02	0.01
NC5	0.04	0.01
C6+	0.00	0.00
TOTAL	100.00	2.64 GPM @ 14.73 P.S.I.A.

CALCULATED GAS GRAVITY = 0.936
CALCULATED GROSS HEATING VALUE DRY = 663 BTU/SCF @ 14.73 P.S.I.A.

RANAREX GRAVITY = 0.973

ANALYZED BY: Brad Ankrum
DATE ANALYZED: 05-09-89

GAS CHROMATOGRAPH ANALYSIS, @ 60 F, 14.65 P.S.I.A.
UNOCAL CORPORATION, MOAB AREA LAB

DATE SAMPLE TAKEN: 8/25/88 SAMPLE SOURCE: McCracken MCD
SAMPLE TEMP.: 95°F
SAMPLE PRESSURE: 590 PSIG
FILAMENT CURRENT M.A.: 220
CARRIER GAS PRESS. PSIG : 50
INSTRUMENT TEMPERATURE : 50°C
SAMPLE LOADING PRESSURE : Atmos

COMPONENT	MOL%	GPM
H2S	0.00	
N2	12.16	
CO2	1.65	
C1	68.12	
C2	10.15	2.70
C3	4.75	1.30
IC	0.71	0.23
NC4	1.59	0.50
IC5	0.36	0.13
NC5	0.41	0.15
C6+	0.10	0.04
TOTAL	100.00	5.05 GPM @ 14.65 P.S.I.A.

CALCULATED GAS GRAVITY = 0.766
CALCULATED GROSS HEATING VALUE WET = 1076 BTU/SCF @ 14.65 P.S.I.A.

ANALYZED BY: SWG
DATE ANALYZED: 8/25/88

Lithology
Tops of Geologic Markers

<u>Formation</u>	<u>Depth Below G.L.</u>
Wingate	Surface
Cutler	835
Hermosa	2137
Paradox	3938
Salt	4276
Base of Salt	7219
Mississippian	7357
Ouray	7774
Elbert	7887
McCracken	8042
Aneth	8137
Lynch	8212

Geological Summary
Lisbon McCracken Unit
Lisbon Field
San Juan Co., Utah

The Lisbon Field covers 10 sections in the northern of T.30S R.24E in San Juan Co., Utah. It is approximately 40 miles to the southeast of Moab.

The field is on the southwest edge of the Paradox Fold and Fault Belt which is characterized by extreme Pennsylvanian salt tectonics and much northwest-southeast and northeast-southwest trending basement faulting. The basement faulting most likely has had significant impact not only on hydrocarbon trapping and the style of salt tectonics but also on the facies trends of the producing zones at the Lisbon Field.

The trapping mechanism is a faulted anticline with closure of approximately 1800'. The oil water contact is estimated to be at -2340' which is approximately 1150 feet below the top of the structure. An estimated secondary gas/oil contact is at -1375 feet. The structure interrupts a regional northeast dip of .5 to 2 degrees. In 1959 Pure Oil Company drilled the top of the productive structure. The discovery well was the Pure Oil Co. No. 1, now identified as the B-610 well. The well initially flowed 587 BOPD from the McCracken reservoir. More prolific than the McCracken discovery was the discovery of the Redwall (Mississippian) reservoir. This well was located high in the structure and was later converted to a Mississippian gas injector dueled McCracken producer.

The McCracken member of the Upper Devonian Elbert formation is composed of dolomite, sandy dolomite, dolomitic sandstone, quartzitic sandstone, and dolomitic shale deposited in a marginal-marine setting during early Frasnian time. The McCracken is conformably overlain by the upper member of the Elbert formation (mainly dolomite) and is conformably underlain by the upper Devonian (lowermost Frasnian) Aneth shale (mainly dolomite, argillaceous dolomite, dolomitic sandstone/siltstone, and dolomitic claystone). In the subsurface of the Paradox Basin, the McCracken ranges from 0 to 120 feet.

The sedimentologic characteristics, reservoir quality, and pay thickness of the McCracken sandstone in the Lisbon Field were determined from the integration of detailed examination of cores from eight wells, petrophysical measurements, and wireline log data.

Sedimentological data derived from the Lisbon core study suggests that the McCracken sandstone was deposited in a marginal-marine to shallow marine setting. Three cycles of deposition are apparent. Isopach mapping of the three individual cycles and the total interval and total porosity indicate east-west to northwest-southwest trending sand accumulations. The lower unit, the main productive interval, was deposited as a series of westerly progressing subtidal shoaling cycle consisting of deposition of carbonate grainstone (ooids and skeletal fragments), followed by deposition subtidal to intertidal sandstone (shoals, bars, and possibly tidal-inlet channels). Dolomite intervals in the upper unit were deposited in intertidal to supertidal tidal flats. Whereas sandstone intervals were deposited as intertidal bars, small deltas, tidal channels, and possibly tidal fluvial channels. Siliciclastic sediment in the McCracken sandstone appears to have been derived from pre-existing sedimentary rocks, probably in southwest Colorado.

The McCracken ranges in thickness from 82 to 117 feet within the Lisbon Field. Examination of McCracken structure and net porosity isochore maps show that generally reservoir thickness diminishes significantly off-structure. Porosity average within the hydrocarbon pay, specifically above the oil/water contact, average 7.7% and permeability averages 14.5 md. Average pay thickness (porosity > 5%) is 39.4 feet throughout the entire productive area covering 1360 acres. The total pore volume is 4144 porosity-feet.

The McCracken can be subdivided into three main depositional units; lower, middle, and upper. The reservoirs contained in the lower and middle units seem to be continuous throughout the field while the sands of the upper unit may be locally absent.

The lower unit is transitional into the underlying Aneth shale and has an average productive well gross thickness of 39 feet and average net thickness of 28.2 feet. The average measured porosity in wells within the hydrocarbon bearing area is 7.7% and average permeability is 14 md. It is

composed of quartzitic very fine to fine grained sandstone and dolomitic sandstone.

The middle unit has average characteristic of 25 feet gross thickness, 5.5 feet net pay thickness, 7.6% measured porosity, and 27 md permeability. It consists of a basal dolomitic sandstone and shale interval (approximately 7 feet thick), a middle medium to coarsely crystalline dolomite and sandy dolomite interval (approximately 9 feet thick) of very fine to fine grained sandstone and dolomitic sandstone. Porosity in this unit is generally restricted to the sandy upper interval and the most coarsely crystalline parts of the middle dolomite interval.

The upper unit is the most variable. It averages 30 feet gross thickness. Pay thickness varies from 0 to 17 feet within a distance of 1/2 mile. Measured average net pay in productive wells is 9.8 feet with porosity of 9.3% and 20 md permeability. It consists of a lower interval of very finely crystalline, argillaceous dolomite, middle layer of dolomitic sandstone and a upper interval of very finely crystalline to coarsely crystalline sandy dolomite, intraclastic dolomite, and shaley dolomite which is transitional into the overlying upper member of the elbert formation. Porosity is restricted to the sandy middle unit.

ELL COMPLETION RECORD

U.I.C. Permit Application
Lisbon McCracken No. D-610
Attachment No. UIC-11

Mountain Area

Division Northern Producing District Four Corners Lease W. W. Lisbon WEA-C Well No. 3
 Acq. 1838.25 (Set 919.12) Lease No. 8848 Elevation Gr. 6785' Elevation HKB 6799' Cellar Meas. -
 Sec. 33S Rge. 24E Twp. Survey or Quad. SE Parish County San Juan State Utah

Producing Formation Mississippian
 Top Formation 7572'
 Bottom Formation 8731'
 Top Pay 7810'
 Bottom Pay 7887'

PERFORATION DATA

Date Perforated 2-27-61
 Formation Perforated Mississippian
 Perforated By McCullough
 No. Shots 104
 Size Shots 2-1/16" Vac Jets
 Top. Perforations 7810'
 Btm. Perforations 7887'

DEPTH

Extreme Corr. TD 8430'
 Completed 8042' PBTB

DATE

Drilling Commenced 2-5-61
 Drilling Completed 2-28-61
 1st Prod. to Sitk 3-9-61
 Dry Hole

CASING RECORD

SIZE OD	SET AT
20'	25'
13-3/8"	1195'
7-5/8"	8291'
5-1/2" Liner	8213'-8406'

Test: Natural

Date None Hrs. Tested _____ Bbls. Oil/Dist. _____ Bbls. Wtr. _____

MCF Gas _____ B.H. Pressure _____ How Produced _____

Gas/Oil Ratio _____ Corr. Gravity _____ Temp. _____ Csg. Press. _____ Tbs. Press. _____

Size Choke _____ Potential: Bbls. Oil/Dist. _____ Bbls. Wtr. _____ Remarks _____

ACID SHOT

Date Treated 2-27-61 Date Shot NoneFormation Treated Mississippian Formation Shot _____Treated By Halliburton Shot By _____ Size Shell _____ Gly ☐Acid Used 5200 Gallons Shot (Qts) _____ Powder ☐Type & % of Acid 15% Low Tension Top Shot _____ Solidified ☐Acid in Formation all Btm. Shot _____Bbls. Oil Load 36 Bbls. Wtr. Load _____ Tamp Fluid _____ Tamp Solid _____Top 7810' Feet - Bottom 7887 Feet Anchor _____Type Packed Used Baker Model "F" Cvs in Hole After Shot _____Set At 7540' Feet

Test: After Acid or Shot

Date 3-9-61 Hrs. Tested 24 Bbls. Oil/Dist. 153 Bbls. Wtr. 0MCF Gas 3351 B.H. Pressure _____ How Produced FlowingGas/Oil Ratio 21,208 Corr. Gravity 71.0 Temp. 69° Csg. Press. _____ Tbs. Press. 1725Size Choke 2 1/4" Potential: Bbls. Oil/Dist. 153 Bbls. Wtr. 0 Remarks _____Electrical Survey By See below to _____ Date _____

Electrical Survey By _____ to _____ Date _____

Drilled By Loffland Brothers with Rotary ToolsDrilled in By Reams Well Servicing with Rotary & Swabbing ToolsI.P. for record 153 bbls Dist., 3351 MCF/D, no water - 24 hrs flowing.

SPECIAL TESTS, PLUG BACK INFORMATION AND REMARKS:

NOTE: Attempted to re-complete well in the McCracken formation from 2-5-61 thru 2-28-61, but unsuccessful. Set Bridge Plug at 8050' with 8' of cement on top of plug, PBTB 8042'. Well is now able to produce from the Mississippian Formation only, but is shut in due to State of Utah Allowable Regulations and no market outlet for the gas.

Electrical Surveys: Schlumberger to 5915' on 8-27-60.
 Schlumberger to 8234' on 9-9-60.
 McCullough to 8251' on 9-12-60.
 Schlumberger to 8430' on 9-17-60.
 Lane-Wells to 8430' on 2-11-61.

Perforated as follows: (Mississippian)

7810' - 7826' - 4 shots per foot.
 7870' - 7880' - 4 shots per foot.

ORIGINAL SIGNED
W. W. WEIR

Signed _____

District Superintendent

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

6. Lease Designation and Serial Number

UTU014903

7. Indian Allottee or Tribe Name

8. Unit or Communitization Agreement

McCracken Unit

9. Well Name and Number

Lisbon D-610

10. API Well Number

430373069400

11. Field and Pool, or Wildcat

McCracken

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT— for such proposals

1. Type of Well

☐ Oil Well☐ Gas Well☒ Other (specify) Gas Injection

2. Name of Operator

Union Oil Company of California

3. Address of Operator

3300 N. Butler, Ste 200, Farmington, NM 87401

4. Telephone Number

(505) 326-7600

5. Location of Well

Footage : 565' FNL & 964' FEL

County : San Juan

QQ, Sec. T., R., M. : NE NE, Sec 10, T30S, R24E

State : UTAH

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|---|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Annual Status Report</u> | |

Approximate Date Work Will Start _____

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Date of Work Completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

The well is shut-in pending further reservoir analysis in the McCracken.

RECEIVED

FEB 20 1992

DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name & Signature

Craig A. Van Houten

Title Field Supt.Date 2/17/92

(State Use Only)



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

Rick Kastner
4/7/94

February 14, 1994

April 7th 9:00

Unocal
P.O. Box 760
Moab, Utah 84532

Re: Pressure Test for Mechanical Integrity, Lisbon Unit #D-84, B-610, D-610, B-614 Injection Wells, Sec. 4, 10, 14, T. 30 S., R. 24 E., San Juan County, Utah

Gentlemen:

The Underground Injection Control Program which the Division of Oil, Gas and Mining (DOGM) administers in Utah, requires that all Class II injection wells demonstrate mechanical integrity. It has been past policy of the Division to require pressure testing of all Class II salt water disposal wells and other injection wells not reporting monthly annulus pressures in accordance with rule R649-5-5.3 of the Oil and Gas Conservation General Rules. This rule requires that the casing-tubing annulus above the packer be pressure tested at a pressure equal to the maximum authorized injection pressure or 1,000 psi, whichever is lesser, provided that no test pressure is less than 300 psi. This test shall be performed at least every five year period beginning October, 1982. Our records indicate the above referenced wells are due for testing. Please make arrangements and ready the wells for testing during the week of April 4, 1994 as outlined below:

1. Operator must furnish connections, and accurate pressure gauges, hot oil truck (or other means of pressuring annulus), as well as personnel to assist in opening valves etc.
2. The casing-tubing annulus shall be filled prior to the test date to expedite testing, as each well will be required to hold pressure for a minimum of 15 minutes.
3. If mechanical difficulties or workover operations make it impossible for the wells to be tested on this date the tests may be rescheduled.



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

43-037-30694

June 2, 1997

Union Oil Company of California
P.O. Box 760
Moab, Utah 84532-0760

Re: Pressure Test for Mechanical Integrity, B-624, D-610 and
B-816 Injection Wells, Lisbon Unit, San Juan County, Utah

Gentlemen:

The Underground Injection Control Program which the Division of Oil, Gas and Mining (DOGM) administers in Utah, requires that all Class II injection wells demonstrate mechanical integrity. Rule R649-5-5.3 of the Oil and Gas Conservation General Rules requires that the casing-tubing annulus above the packer be pressure tested at a pressure equal to the maximum authorized injection pressure or 1,000 psi, whichever is lesser, provided that no test pressure is less than 300 psi. This test shall be performed at least every five year period beginning October 1982. Our records indicate the above referenced wells are due for testing. Please make arrangements and ready the wells for testing during the week of June 16, 1997 as outlined below:

1. Operator must furnish connections, and accurate pressure gauges, hot oil truck (or other means of pressuring annulus), as well as personnel to assist in opening valves etc.
2. The casing-tubing annulus shall be filled prior to the test date to expedite testing, as each well will be required to hold pressure for a minimum of 15 minutes.

Page 2

Union Oil Company of California

June 2, 1997

3. If mechanical difficulties or workover operations make it impossible for the wells to be tested on this date the tests may be rescheduled.
4. Company personnel should meet DOGM representatives at the field office or other location as negotiated.
5. All bradenhead valves with exception of the tubing on the injection wells must be shut-in 24 hours prior to testing.

Please contact Dan Jarvis at (801)538-5338 to arrange a meeting time and place or negotiate a different date if this one is unacceptable.

Sincerely,

A handwritten signature in black ink, appearing to read 'Gil Hunt', with a stylized flourish at the end.

Gil Hunt

Environmental Manager, Oil & Gas

lwp

STATE OF UTAH
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

INJECTION WELL - PRESSURE TEST

Test Date: <u>6/18/97</u>	Well Owner/Operator: <u>Unocal</u>
Disposal Well: _____	Enhanced Recovery Well: <u>X</u> Other: _____
API No.: <u>43-037-30694</u>	Well Name/Number: <u>D-610</u>
Section: <u>10</u>	Township: <u>30S</u> Range: <u>24E</u>

Initial Conditions:

Tubing - Rate: _____ Pressure: _____ psi

Casing/Tubing Annulus - Pressure: _____ psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	_____	_____
5	_____	_____
10	_____	_____
15	_____	_____
20	_____	_____
25	_____	_____
30	_____	_____

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: _____ psi

Casing/Tubing Annulus Pressure: _____ psi

REMARKS:

well has pressure on backside
leak in tubing or packer - Did not test
Unocal will submit survey on remedial work

Operator Representative

[Signature]
DOGM Witness

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Union Oil Company of California

3. Address and Telephone No.

P.O. Box 760, Moab, UT 84532 Tele 435-686-2236

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**565' FNL + 964' FEL
NENE, Sec 10, T30S, R24E**

5. Lease Designation and Serial No.

UTU014903

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

McCracken Unit

8. Well Name and No.

Lisbon D-610

9. API Well No.

430373069400

10. Field and Pool, or Exploratory Area

McCracken

11. County or Parish, State

San Juan Co., Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

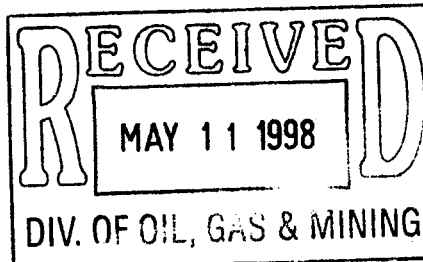
TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other **Return to Production**
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Union Oil Co. of California, dba, UNOCAL, requests a change in status on McCracken Unit well D-610. The change of status will be from a McCracken injection well to a McCracken producing well. Surface equipment will include a three phase separator, a water bath line heater, with electronic and mechanical flow measurement equipment. This well was returned to production on 1-12-1998.



14. I hereby certify that the foregoing is true and correct

Signed Yong Rong

Title Production Tech.

Date 1-13-98

(This space for Federal, or State office use)

Approved by _____
Conditions of approval, if any:

Title Branch of Fluid Minerals
Moab District

Date JAN 21 1998

CONDITIONS OF ACCEPTANCE, ATTACHED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate
(Other instructions
verse side)

Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Nitrogen Injector (Miss.)		5. LEASE DESIGNATION AND SERIAL NO. U-014903	
2. NAME OF OPERATOR Union Oil Company of California		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR P. O. Box 2620 - Casper, WY 82602-2620		7. UNIT AGREEMENT NAME Lisbon Unit	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 565' FNL & 964' FEL (NW NE NE)		8. FARM OR LEASE NAME Lisbon Unit	
14. PERMIT NO. API 43-037-30694		9. WELL NO. D-610	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6821' GR (Ungraded)		10. FIELD AND POOL, OR WILDCAT Lisbon	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 10, T30S, R24E	
		12. COUNTY OR PARISH San Juan	
		13. STATE Utah	

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANT <input type="checkbox"/>
(Other) Convert to McCracken GI <input checked="" type="checkbox"/>	

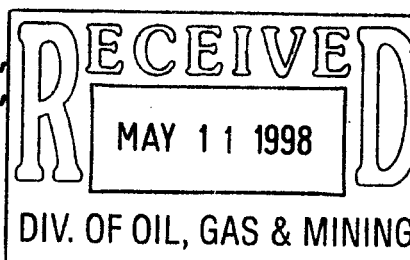
SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or R-completion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

8510' TD
9-5/8" @ 1025'
5-1/2" @ 8510'



Perfs
8436-8472'-Aneth-Abd (CIBP @ 8400')
8085-8089' & 8112-8143'-McCracken-Abd
(Cmt Ret @ 8054')
7888-7892' & 7899-7901'-Elbert-Sqzd
7920-7928' & 7958-7962'-Elbert-Sqzd
7480-7530' & 7540-7570'-Miss.-Open
7605-7710'-Miss.-Open

Lisbon Unit Well No. D-610 is an idle Mississippian nitrogen injection well. Union Oil Company of California recently purchased the well from the Unit owners, and proposes to convert the well to a McCracken gas injection well for the purpose of secondary recovery in the McCracken formation.

Proposed Plan of Procedure

MIRU pulling unit. N.U. and test BOP. POOH with production equipment. Set cement retainer at 7585'. Squeeze Mississippian perforations 7605-7710' with 150 sacks cement, spotting any cement left in tubing on top

(Continued on Attached Sheet)

18. I hereby certify that the foregoing is true and correct	
SIGNED <i>John R. Underhill</i>	TITLE District Drilling Supt. DATE 5-30-89
(This space for Federal or State office use)	
APPROVED BY <i>William C. Huggins</i>	TITLE District Manager (Acting) DATE 6/8/89
CONDITIONS OF APPROVAL, IF ANY:	

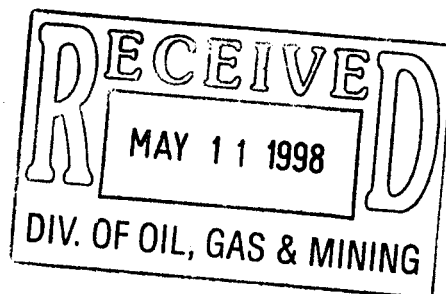
*See Instructions on Reverse Side

Union Oil Company of California
Lisbon Unit Well No. D-610
Lisbon Field
San Juan County, Utah
5-30-89
Page 2

of retainer. Drill out cement to 7585'. Pressure test Mississippian perfs, 7480-7530' and 7540-7570'. If perfs do not hold pressure, RIH with cement retainer and set at $\pm 7400'$, squeeze perfs with 150 sacks cement. Drill out retainers and cement to 8393'. Pressure test squeezes. Circulate hole clean and fill well with 2% KCl water.

Perforate McCracken formation with 4" casing gun from 8066-8069', 8073-8076', 8085-8089', 8096-8101', and 8112-8143', with 4 jspf. Acidize well with 5000 gals 15% MSR100 mud and silt acid at 4-6 bpm at maximum pressure of 5000 psi, diverting with ball sealers. Swab test. Perform nitrogen injection tests. Shut well in for fall-off test. Fracture stimulate as required to establish injectivity. Clean out to 8393'. POOH.

RIH with model "D" production packer and set at 8010'. RIH with locator seal assembly, pressure sub, non-ported S.N., 2-3/8" tubing, and model "FH" hydrostatic double-grip packer on 2-7/8" tubing. Sting into model "D" packer and set model "FH" packer at $\pm 7430'$. Load annulus with packer fluid and pressure to 1000 psi to test packer, casing and tubing. N.D. BOP & N.U. wellhead. Release rig.



**STATE OF UTAH
DIVISION OF OIL, GAS AND MINING**

5. Lease Designation and Serial No.

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.

Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

6. If Indian, Allotte or Tribe Name

7. Unit Agreement Name

1. Type of Well

☐ Oil Well☐ Gas Well☐ Other

8. Well Name and Number

2. Name of Operator: EnCana Oil & Gas (USA) Inc.

(successor in interest of Tom Brown, Inc. effective 1/1/05)

Contact: Jane Washburn

Phone: 720/876-5431

9. API Well Number

3. Address and Telephone No.

370 Seventeenth Street, Suite 1700, Denver, CO 80202

10. Field and Pool, or Exploratory Area

4. Location of Well

Footages:

SEE ATTACHED LIST OF WELLS

County:

QQ, Sec T,R,M:

State:

11. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

☐ Abandon☐ Repair Casing☐ Change Plans☐ Convert to Injection☐ Fracture Treat or Acidize☐ Multiple Completion☐ Other☐ New Construction☐ Pull or Alter Casing☐ Recomplete☐ Reperforate☐ Vent or Flare☐ Water Shut-Off

SUBSEQUENT REPORT
(Submit Original Form Only)

☐ Abandon*☐ Repair Casing☐ Change Plans☐ Convert to Injection☐ Fracture Treat or Acidize☒ Other☐ New Construction☐ Pull or Alter Casing☐ Recomplete☐ Reperforate☐ Vent or Flare☐ Water Shut-Off

Change of Operator

Date of work completion

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. Describe Proposed or completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof.

If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones.

Attach the Bond under which the work will be performed or provide the Bond No. on file with the BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, A form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

N9885

N2175

The merger of Tom Brown, Inc. with EnCana Oil & Gas (USA) Inc. was effective January 1, 2005.

It is, therefore, requested that the Operator of all properties on the attached list be changed from Tom Brown, Inc. to EnCana Oil & Gas (USA) Inc.

RECEIVED

JAN 2 / 2005

DIV. OF OIL, GAS & MINING

13.

Name (Printed/Typed)

Jane Washburn

Title

Operations Engineering Tech

Signature

Date

01/24/2005

(This space for State use only)

APPROVED

2/24/05

ER

Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

well name	sec	twsp	rng	api	entity	lease	well	stat	flag	unit name	lease num	qtr	qtr	td	md	d	apd	op no
BIG INDIAN 36-42	36	290S	240E	4303731827		State	GW	APD			ST-UT-37067	SESW				5750		N9885
FEDERAL 14-18	18	250S	060E	4301530060	436	Federal	NA	PA			UTU-69447	SWSW						N9885
NW USA D-1 (B-624)	24	300S	240E	4303716516	99990	Federal		A			UTU-070034	NENW						N9885
FEDERAL 15-25	25	290S	230E	4303730317	4776	Federal	GW	S			UTU-986	SWSE						N9885
BIG INDIAN 35-24	35	290S	240E	4303731829	14409	Federal	GW	DRL	C		UTU-077077	SENE						N9885
BIG INDIAN 27-34	27	290S	240E	4303731828		Federal	GW	APD	C		N9885							
BIG INDIAN UNIT 1	33	290S	240E	4303716219	8122	Federal	OW	S		BIG INDIAN	UTSL-067131	SENE						N9885
BIG INDIAN 4	14	300S	250E	4303716221	8124	Federal	GW	TA		BIG INDIAN	UTSL-089097	SWSW						N9885
BIG INDIAN 34-11	34	290S	240E	4303731818	14004	Federal	D	PA	C	BIG INDIAN	UTU-014905	NWNW						N9885
BULL HORN U 10-43	10	300S	250E	4303731831	14393	Federal	GW	DRL	C	BULL HORN	UT-73190	SWSE						N9885
LISBON B-615	15	300S	240E	4303715123	8123	Federal	OW	P		LISBON	UTU-09179	NENW						N9885
LISBON FED 2-21F	21	300S	250E	4303715768	410	Federal	GW	S		LISBON	UTU-094674	SENE						N9885
LISBON B912	12	300S	240E	4303715769	8123	Federal	OW	S		LISBON	UTU-06922	SESW						N9885
LISBON A-713A	13	300S	240E	4303716236	8123	Federal	GW	PA		LISBON	UTSL-070034	SWNW						N9885
LISBON A-715	15	300S	240E	4303716237	8123	Federal		A		LISBON	UTU-020691A	SWNW						N9885
LISBON B-613	13	300S	240E	4303716240	8123	Federal	OW	S		LISBON	UTSL-070034	NENW						N9885
LISBON C-69	09	300S	240E	4303716245	8123	Federal	OW	S		LISBON	UTU-09179	NWNE						N9885
LISBON C-94	04	300S	240E	4303716247	8123	Federal	OW	S		LISBON	UTU-66582	SWSE						N9885
LISBON UNIT D-84	04	300S	240E	4303716250	8123	Federal	OW	P		LISBON	UTU-015445	NESE						N9885
LISBON D-89	09	300S	240E	4303716251	8123	Federal	OW	P		LISBON	UTU-015445	NESE						N9885
NW LISBON USA B-1 (B-614)	14	300S	240E	4303716468	8123	Federal		P		LISBON	UTSL-070008A	NENW						N9885
NW LISBON USA A-2 (D-810)	10	300S	240E	4303716471	8123	Federal		P		LISBON	UTU-14903	NESE						N9885
LISBON B-84	04	300S	240E	4303730054	8123	Federal	OW	S		LISBON	UTU-09179	NESW						N9885
LISBON B-814	14	300S	240E	4303730082	8123	Federal	OW	S		LISBON	UTSL-070008A	NESW						N9885
LISBON C-99	09	300S	240E	4303730693	8123	Federal	OW	P		LISBON	UTU-09179	SWSE						N9885
LISBON B-94	04	300S	240E	4303730695	8123	Federal	OW	S		LISBON	UTU-015445	SESW						N9885
LISBON C-910 I	10	300S	240E	4303731805	12892	Federal	D	PA		LISBON	UTU-0141903	SWSE						N9885
LISBON D-616	16	300S	240E	4303715049	8123	State	OW	P		LISBON	ML-13692	NENE		9120		9120		N9885
LISBON B-616	16	300S	240E	4303716242	8123	State	OW	S		LISBON	ML-8366	NESW		8689		8689		N9885
BELCO ST 4 (LISBON B-816)	16	300S	240E	4303716244	8123	State		A		LISBON	ML-8366	NESW		8730		9100		N9885
LISBON UNIT D-716	16	300S	240E	4303731034	8123	State	OW	P		LISBON	ML-13692	SENE		8794		8775		N9885
LISBON U B-610	10	300S	240E	4303716469	9740	Federal		P		LISBON (MCCRACKEN)	UTU-014903	NENW						N9885
LISBON U D-610	10	300S	240E	4303730694	9740	Federal		P		LISBON (MCCRACKEN)	UTU-014903	NENE						N9885
LISBON UNIT A-911	11	300S	240E	4303731014	9740	Federal		P		LISBON (MCCRACKEN)	UTSL-070008A	SWSW						N9885
LISBON C-910	10	300S	240E	4303731323	9740	Federal		P		LISBON (MCCRACKEN)	UTU-014903	SWSE						N9885
LISBON B-614A	14	300S	240E	4303731351	9740	Federal		TA		LISBON (MCCRACKEN)	UTSL-070008A	NENW						N9885
LISBON B-810	10	300S	240E	4303731433	9740	Federal		P		LISBON (MCCRACKEN)	UTU-014903	NESW						N9885
LISBON (MCCRACKEN) D-615	15	300S	240E	4303731817		Federal	OW	LA		LISBON (MCCRACKEN)	N9885							
LISBON (MCCRACKEN) A-610	10	300S	240E	4303731821		Federal	OW	LA		LISBON (MCCRACKEN)	N9885							
Dual Production (2 entities)																		

Delaware

PAGE 1

The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"TBI PIPELINE COMPANY", A DELAWARE CORPORATION,

"TBI WEST VIRGINIA, INC.", A DELAWARE CORPORATION,

"TOM BROWN, INC.", A DELAWARE CORPORATION,

WITH AND INTO "ENCANA OIL & GAS (USA) INC." UNDER THE NAME OF "ENCANA OIL & GAS (USA) INC.", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWENTY-SECOND DAY OF DECEMBER, A.D. 2004, AT 6:15 O'CLOCK P.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF MERGER IS THE FIRST DAY OF JANUARY, A.D. 2005.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



2137895 8100M

040934710

Harriet Smith Windsor
Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 3584585

DATE: 12-29-04

State of Delaware
Secretary of State
Division of Corporations
Delivered 06:15 PM 12/22/2004
FILED 06:15 PM 12/22/2004
SRV 040934710 - 2137895 FILE

**STATE OF DELAWARE
CERTIFICATE OF MERGER OF
DOMESTIC CORPORATIONS**

Pursuant to Title 8, Section 251(c) of the Delaware General Corporation Law, the undersigned corporation executed the following Certificate of Merger:

FIRST: The name of the surviving corporation is EnCana Oil & Gas (USA) Inc., and the names and jurisdictions of the corporations being merged into this surviving corporation are as follows:

Name
Tom Brown, Inc.
TBI Pipeline Company
TBI West Virginia, Inc.

Jurisdiction of Incorporation
Delaware corporation
Delaware corporation
Delaware corporation

SECOND: The Agreement and Plan of Merger has been approved, adopted, certified, executed and acknowledged by each of the constituent corporations.

THIRD: The name of the surviving corporation is EnCana Oil & Gas (USA) Inc., a Delaware corporation.

FOURTH: The Certificate of Incorporation of the surviving corporation shall be its Certificate of Incorporation.

FIFTH: The merger is to become effective on January 1, 2005.

SIXTH: The Agreement and Plan of Merger is on file at 950 17th Street, Suite 2600, Denver, Colorado 80202, the place of business of the surviving corporation.

SEVENTH: A copy of the Agreement and Plan of Merger will be furnished by the surviving corporation on request, without cost, to any stockholder of the constituent corporations.

IN WITNESS WHEREOF, said surviving corporation has caused this certificate to be signed by an authorized officer, the 17th day of December, A.D., 2004.

ENCANA OIL & GAS (USA) INC.

By: Mary A. Viviano
Mary A. Viviano, Secretary

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number Lisbon D-610	API Number 4303730694
Location of Well Footage : 565 FNL, 964 FEL County : SAN JUAN QQ, Section, Township, Range: NENE 10 30S 24E State : UTAH	Field or Unit Name LISBON Lease Designation and Number UTU-014903

EFFECTIVE DATE OF TRANSFER: 1/1/2005

CURRENT OPERATOR

Company: Tom Brown, Inc. <u>N9885</u>	Name: Darrin Henke
Address: 555 17th Street, Suite 1850	Signature: <u>[Signature]</u>
city Denver state CO zip 80202	Title: Attorney-in-fact
Phone: (720) 876-5157	Date: 2/17/2005
Comments:	

NEW OPERATOR

Company: EnCana Oil & Gas (USA) Inc. <u>N3175</u>	Name: Doug VanSteeandt
Address: 370 17th Street, Suite 1700	Signature: <u>[Signature]</u>
city Denver state CO zip 80202	Title: Attorney-in-fact
Phone: (720) 876-5068	Date: 2/17/2005
Comments:	

(This space for State use only)

Transfer approved by: [Signature]
Title: Technical Services Manager

Approval Date: 2-23-05

Comments: well failed MIT and must be repaired prior to any injections.

CAUSE # UIC-136-3.1

RECEIVED
FEB 23 2005

DIV. OF OIL, GAS & MINING

3. FILE

Designation of Agent/Operator

Merger

1/1/2005

Phone: 1-(720) 876-5068

LISBON (MCCRACKEN)

[illegible]

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 1/27/2005
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 1/27/2005

3. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/2005
4. Is the new operator registered in the State of Utah: YES Business Number: 5053175-0143
5. If **NO**, the operator was contacted contacted on:

- | | |
|--|-----------------|
| 6a. (R649-9-2)Waste Management Plan has been received on: | <u>In PLACE</u> |
| 6b. Inspections of LA PA state/fee well sites complete on: | n/a |

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM not yet BIA

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: n/a

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 2/24/2005
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/24/2005
3. Bond information entered in RBDMS on: 2/24/2005
4. Fee/State wells attached to bond in RBDMS on: 2/24/2005
5. Injection Projects to new operator in RBDMS on: 2/24/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UT1005

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: n/a

FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB0007875
2. The **FORMER** operator has requested a release of liability from their bond on: n/a
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

Merger and rider of bond from Tom Brown, Inc.

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING

CDW

X - Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

5/14/2010

FROM: (Old Operator):
 N2175-EnCana Oil & Gas (USA) Inc.
 370 17th Street, Suite 1700
 Denver, CO 80202
 Phone: 1 (303) 623-2300

TO: (New Operator):
 N3670-Patara Oil & Gas, LLC
 333 Clay Street, Suite 3960
 Houston, TX 77002
 Phone: 1 (713) 357-7171

CA No.

Unit:

LISBON McCracken

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED								

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 5/11/2010
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 5/11/2010
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 5/11/2010
- a. Is the new operator registered in the State of Utah: Business Number: 7655540-0161
- 5a. (R649-9-2) Waste Management Plan has been received on: * * requested 9/27/10
- 5b. Inspections of LA PA state/fee well sites complete on: * * requested 9/27/10
- 5c. Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM not yet BIA
- Federal and Indian Units:**
 The BLM or BIA has approved the successor of unit operator for wells listed on: 6/28/2010 & 9/2/2010
- Federal and Indian Communization Agreements ("CA"):**
 The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 6/29/2010
 Lisbon B-816 only

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 9/14/2010
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 9/14/2010
- Bond information entered in RBDMS on: 9/14/2010
- Fee/State wells attached to bond in RBDMS on: 9/14/2010
- Injection Projects to new operator in RBDMS on: 9/14/2010
- Receipt of Acceptance of Drilling Procedures for APD/New on: 5/11/2010

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: UTB000428
- Indian well(s) covered by Bond Number: n/a
- a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number RLB0013207 & B006008
- b. The **FORMER** operator has requested a release of liability from their bond on: not yet

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____	5. LEASE DESIGNATION AND SERIAL NUMBER:
2. NAME OF OPERATOR: ENCANA OIL & GAS (USA) INC. <i>N2175</i>	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 370 17th Street, Suite 1700 CITY Denver STATE CO ZIP 80202 PHONE NUMBER: (303) 623-2300	7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: See Attached List	8. WELL NAME and NUMBER:
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:	9. API NUMBER:
	10. FIELD AND POOL, OR WILDCAT:

COUNTY:

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective May 4, 2010 Patara Oil & Gas LLC, 333 Clay Street, Suite 3960, Houston, TX 77002, will take over completions and operations and is designated as agent operator for the subject wells on the attached list.

Bond coverage for all activities will be covered by Patara's BLM Statewide Oil & Gas Bond No. UTB000428 and UDOGM Bond No. Pending. *RLB0013207 + B006008*

Patara Oil & Gas LLC, Lane M. Kincannon, Vice-President, Land & Business Development *N3670*

Signature *[Signature]* Date 5/4/2010

NAME (PLEASE PRINT) <u>Ricardo D. Gallegos</u>	TITLE <u>Attorney-in-Fact</u>
SIGNATURE <i>[Signature]</i>	DATE <u>5/4/2010</u>

(This space for State use only)

APPROVED *9/14/2010*
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

RECEIVED
May 11 2010 ER
DIV. OF OIL, GAS & MINING

ENCANA O-G (N2175) to PATARA O-G (N3670)
effective May 4, 2010
LISBON (McCRACKEN)

well_name	sec	twp	rng	api	entity	lease	well	stat
					8123			
LISBON U B-610	10	300S	240E	4303716469	9740	Federal	OW	P
LISBON U D-610	10	300S	240E	4303730694	9740	Federal	GW	S



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
<http://www.blm.gov/ut/st/en.html>



IN REPLY REFER TO
3180
UT-922

June 28, 2010

David M. Laramie
Patara Oil & Gas, LLC
621 17th Street, Suite 1345
Denver, CO 80293

Re: Successor Operator
Lisbon (McCracken) Unit
UTU66515A
San Juan County, Utah

Dear Mr. Laramie:

On June 25, 2010, we received an indenture dated May 4, 2010, whereby EnCana Oil & Gas (USA), Inc. resigned as Unit Operator and Patara Oil & Gas, LLC was designated as Successor Unit Operator for the Lisbon (McCracken) Unit, San Juan County, Utah. The indenture was executed by both parties and the signatory parties (working interest owners) have complied with Sections 5 and 6 of the unit agreement.

The instrument is hereby approved effective June 28, 2010. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Lisbon (McCracken) Unit Agreement.

Your statewide oil and gas BLM Bond No. UTB000428 will be used to cover unit operations.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate Federal offices, with one copy returned herewith.

If you have any questions, contact Leslie Wilcken of this office at (801) 539-4112.

Sincerely,

/s/ Roger L. Bankert

Roger L. Bankert
Chief, Branch of Minerals

RECEIVED

JUL 06 2010

DIV. OF OIL, GAS & MINING

Enclosure

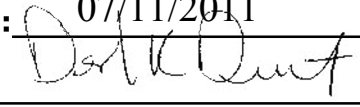
STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-014903
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: PATARA OIL & GAS, LLC		7. UNIT or CA AGREEMENT NAME: LISBON (MCCRACKEN)
3. ADDRESS OF OPERATOR: 600 17th Street Ste 1900S , Denver, CO, 80202		8. WELL NAME and NUMBER: LISBON U D-610
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0565 FNL 0964 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 10 Township: 30.0S Range: 24.0E Meridian: S		9. API NUMBER: 43037306940000
PHONE NUMBER: 303 825-0685 Ext		9. FIELD and POOL or WILDCAT: LISBON
COUNTY: SAN JUAN		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 4/27/2011 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
Patara Oil & Gas LLC wishes to recomplete the currently inactive Lisbon D-610 well from the McCracken Formation to the Mississippian (Leadville) Formation. In 1982 the Leadville was squeezed off and recompleted into the McCracken Formation. The McCracken formation produced until late 2010 with a final rate of 26 mcf/d and 1.5 bopd before loading beyond the capacity of the formation. A recompletion procedure is attached outlining the operations needed to temporarily abandon the McCracken below a CIBP @ 7790'. The original Mississippian intervals will be reopened and acidized as shown in the procedure attached. The Leadville formation is high H2S and therefore a safety team will be onsite monitoring the well and operations. An H2S plan is attached. Please send copies of all correspondence to either David Banko or Danielle Gavito to david@banko1.com or danielle@banko1.com respectively.

**Accepted by the
Utah Division of
Oil, Gas and Mining**

Date: 07/11/2011
By: 

NAME (PLEASE PRINT) Kimberly J. Rodell	PHONE NUMBER 303 820-4480	TITLE Permit Agent
SIGNATURE N/A	DATE 7/5/2011	

Well Data cont:

Wellhead Assembly

Tubing Head: Type 'N' 10 3000# x 7 1/16" 5000# super trim

Tubing Hanger: NRFC Wrap

Tubing Head Top: 7 1/16" 5000# x 2 1/2" 5000# HB Spool

Master Valves: 2 1/2" 5000# Stainless

Wellhead Top Conn: 2 7/8" EUE 8rd

Existing Open Perforations – McCracken

8066 – 8069', 8073 – 8076', 8085 – 8089', 8096 – 8101', 8112 – 8143'

Previously Squeezed Off Perforations

Mississippian 7480 – 7530', 7540 – 7570', 7605 – 7710'

Ouray 7810 – 7826', 7870 – 7880'

Elbert 7888 – 7892', 7899 – 7901', 7958 – 7692'

Recommended Recompletion Procedure

1. RU H2S safety team and tie in flare stack to annulus for burning H2S gas if needed. Take H2S reading off of tbg and annulus before commencing work. Continue work only after assured that no H2S issues exist on site.
2. RU rig and equipment. Be sure all rig hands and onsite personnel are trained in H2S safety. ND tree and NU BOPE.
3. Sting out of Baker F-1 packer. Note that annulus should be full of 3% KCL packer fluid. If unable to sting out of the packer, RU chemical cutter and cut off 6 ft above the packer at 8004'.
4. TOOH w/ tbg and note condition of tubing string. Lay down any joints that are questionable.
5. RU Lone Wolf Wireline. RIH w/ gauge ring. MU CIBP and set it above the squeezed off Ouray & Elbert perms at 7790 ft. Dump bail 2 sacks of cement on top of the CIBP. Estimated PBTD now at 7770'. RD wireline.
6. Due to the age of the KCL packer fluid, it is not recommended to flood the Mississippian with fluids containing unknown materials. TIH w/ tbg and scraper to 7760 ft. Be sure to have SN in string for setting a plug later.
7. RU BJ and pump 500 gals of 15% HCL acid down tbg to clean up the tbg ID. Circulate clean with 160 bbls of fresh water. Note water source available at the Lisbon Plant.
8. Note that the Mississippian is expected to have a BHP of approximately 200 to 450 psi in the interval of 7480 – 7710 OA. BUT the new top interval to be shot at 7406 – 7416' could have virgin pressure as high of 2500 psi.
9. Pressure test casing to 1000 psi. Set a plug in the tbg and pressure test tbg to 2500 psi. Bleed down tbg and remove the plug. Swab well down to 6280', be sure to retain recovered fresh water. TOOH w/ tbg and LD scraper.

10. RU Lone Wolf Wireline. Plan to complete lower pressured Mississippian intervals first to control flows in the annulus. Be sure H2S safety team is ready to monitor the H2S levels. RIH and perforate as follows:
 - 7480 – 7530' 2 spf (100 holes)
 - 7540 – 7570' 2 spf (60 holes)8
 - 7605 – 7710' 1 spf (105 holes)
11. RD wireline unit. MU SN w/ plug, 4' pup jt, Model R pkr, 1 jt tbg, SN and TIH. Set packer at 7400'. RU slickline unit and remove plug in tbg.
12. RU BJ Services to acidize the perforations via the tubing per the BJ recommended procedure.
13. RD BJ Services. Flow well to test separator and flare to clean up. Be sure H2S safety team is constantly monitoring the operations.
14. Kill well, release packer and POOH.
15. RU Lone Wolf Wireline. RIH and set easy drill plug at 7460'. Perforate 4 spf 7406 – 7416' (40 holes).
16. MU SN w/ plug, 4' pup jt, Model R pkr, 1 jt tbg, SN and TIH. Set packer at 7360'. RU slickline unit and remove plug in tbg.
17. RU BJ Services to acidize the perforations via the tubing per the BJ recommended procedure.
18. RD BJ Services. Flow well to test separator and flare to clean up. Be sure H2S safety team is constantly monitoring the operations.
19. Measure pressure and flow rate. If pressure is substantially higher than lower intervals, then it may be decided to leave the well producing from this interval until the pressure declines. If so, load backside with packer fluid (be careful of venting H2S gas). However, if the rate is marginal then it may be decided to commingle with the lower perforations.
20. If the intervals are to be commingled, TOO H with the packer. MU a bit, a pump through mandrel, 4' tbg sub, SN and TIH. Drill out the easy drill plug and push it to bottom. POOH and LD bit and mandrel.
21. MU SN w/ plug, 4' pup jt, Model R pkr, 1 jt tbg, SN and TIH. Set packer at 7350'. Load the backside with packer fluid (be careful of venting H2S gas). Hang off the tbg, ND BOPs and NU the production tree.
22. RU slickline unit and remove the plug in the tbg. Return the well to sales. RD rig and all equipment. Clean location.

**EMERGENCY RESPONSE PLAN/
PUBLIC PROTECTION PLAN**

**LISBON D-610 WELL
SAN JUAN COUNTY, UTAH**

PREPARED FOR:

**PATARA OIL & GAS LLC
7 Rankine Road
P.O. Box 215
La Sal, Utah 84530**

ORIGINAL PREPARED BY:

**CORDILLERAN COMPLIANCE SERVICES, INC.
826 21½ Road
Grand Junction, Colorado 81505
970.263.7800**



**DATE PREPARED:
July 2004**

**Updated by John Warren
April 2011**

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APPENDIX D	LEASE HOLDER INFORMATION
APPENDIX E	TSCREEN OUTPUT DATA
APPENDIX F	HYDROGEN SULFIDE MSDS
APPENDIX G	EMPLOYEE SIGNOFF SHEET

1.00 PURPOSE

This Emergency Response Plan and Public Protection Plan (Plan) is specific to the Lisbon D-610 well site operated by Patara Oil & Gas LLC (Patara). This document is designed to provide for the safety and welfare of facility personnel, the community, the environment, and property.

This Plan establishes evacuation procedures, assigns response duties to specific individuals, provides for notification of outside agencies, and provides details of actions to alert and protect the public. This Plan will be activated immediately upon the detection of the release of a potentially hazardous volume of hydrogen sulfide (H_2S).

2.00 GENERAL INFORMATION ON AND PHYSIOLOGICAL RESPONSES TO HYDROGEN SULFIDE (H_2S) AND SULFUR DIOXIDE (SO_2)

2.10 HYDROGEN SULFIDE (H_2S)

Hydrogen sulfide is a flammable, highly toxic, colorless gas that is heavier than air, with the odor of rotten eggs. It can be detected by smell at a concentration in air of only 0.002 parts per million (ppm). Concentrations of 100 ppm or above will deaden the sense of smell in a few minutes, and at a concentration of 700 ppm, a single breath can be fatal. If ignited, it burns with a blue flame. In still air it tends to accumulate in low places in dangerous concentrations. However, if it is warmer than the surrounding air, it may tend to rise. The upper flammability limit of H_2S in air is 44% and the lower flammability in air is 4%.

Breathing low concentrations of H_2S can cause headaches. Higher concentrations (0.01 percent by volume) cause irritation of the eyes, nose, throat, and lungs. Eyes become red and swollen, accompanied by sharp pain in more severe cases. Still higher concentrations (0.05 percent by volume) cause dizziness, unconsciousness, and failure of respiration.

The Threshold Limit Value (TLV) is 10 ppm (0.001%) in air. This is the limit for eight hours of continuous exposure as recommended by the American Conference of Governmental Industrial Hygienists. The health and safety reference values of various concentrations of H_2S are listed in the toxicity chart below. A Manufacturers Safety Data Sheet (MSDS) for hydrogen sulfide is included in Appendix F.

2.20 SULFUR DIOXIDE (SO_2)

Sulfur dioxide is formed with the burning of hydrogen sulfide gas. Sulfur dioxide is a pungent, irritating, suffocating, colorless gas. This gas is normally heavier than air and concentrations above 400 ppm are considered dangerous for even brief exposures.

Under special circumstances hydrogen sulfide gas may be ignited in order to dissipate a gas cloud and reduce the impact on a local area. Often these burning temperatures are enough to raise and mix the resultant SO_2 with air in a ratio well below toxic levels. However, great care should always be taken and proper monitoring should be performed when this is attempted.

Due to the irritating effect of SO_2 at concentrations of less than 5 ppm, there is usually no doubt as to its presence in an area, which provides better warning characteristics than H_2S .

2.30 TOXICITY CHART

NAME	SPECIFIC GRAVITY ¹	TLV ² (ppm)	HAZARDOUS LIMIT ³	LETHAL CONCENTRATION ⁴
Hydrogen Sulfide	1.18	10	100 ppm/1 hr.	700 ppm
Sulfur Dioxide	2.21	2	50 ppm/1 hr.	400 ppm

Notes:

- (1) Specific gravity of air = 1.00.
- (2) TLV - Threshold Limit Value.
- (3) Hazardous Limit - concentration that may cause death with short term exposure.
- (4) Lethal concentration - Concentration that may cause death with only a few breaths.

3.00 TREATMENT PROCEDURES FOR H₂S AND SO₂ EXPOSURE

- A. Remove the patient to fresh air. Personnel should **always** use fresh air breathing equipment when entering an area to retrieve a person who has been overcome with H₂S.
- B. Call a physician and get patient under his care as soon as possible.
- C. If breathing has ceased, begin artificial respiration immediately. Give cardiopulmonary resuscitation (CPR) only if there is no pulse and no breathing. Continue revival efforts until physician arrives or, if patient is mobile and it is determined that he should go to the hospital, continue oxygen inhalation under the physician's direction.
- D. Administer oxygen to help eliminate toxic substances from blood stream.
- E. Keep the patient at rest and protect from chilling.

4.20 WORST CASE SCENARIO RADIUS OF EXPOSURE

The procedures and systems described above are in place to assure that an emergency or potentially hazardous situation remains a highly unlikely possibility. However, a rupture in the high pressure pipeline and a resulting release of approximately 5,000 pounds of hydrogen sulfide (an estimated 10-minute release) was chosen for analysis as the worst case scenario. With guidance from Bureau of Land Management (BLM) Onshore Order Number 6, a calculation of the radius of exposure has been performed for this worst case release from the injection system.

The Environmental Protection Agency (EPA) software program TSCREEN was used to determine the H₂S concentration levels at 100-meter intervals from the release point. The TSCREEN calculation results are shown in Appendix E.

The BLM Onshore Order Number 6 is particularly concerned with 500 part per million (ppm) and 100 ppm radius of exposure concentration levels. The BLM requires a Public Protection Plan when: the 100 ppm radius of exposure is greater than 50-feet and includes any area that the public could be expected to frequent; the 500 ppm radius of exposure is greater than 50-feet and includes any part of a public road or highway, or; the 100 ppm radius of exposure is equal or greater to 3,000-feet and includes public roads or facilities.

The 500 ppm radius of exposure calculated for this worst case release is approximately 884-feet, and the 100 ppm radius of exposure is approximately 1,592-feet. As there are public roads and public (BLM) lands within these distances, a Public Protection Plan is required for the SEI facility and the B-814 injection well system. Figure 2 shown in Appendix B includes the radius of exposure information. Two anticipate scenarios are indicated in Figure 2: Scenario A represents the area of exposure under the influence of a prevailing wind, and; Scenario B represents the area of exposure expected on a calm day with negligible wind.

4.30 PROTECTION OF PERSONNEL

The following safety equipment is available at the Lisbon Gas Plant or at the injection well site:

- First aid kits: small kits stored in buildings and vehicles.
large "jump" kits including advanced treatment supplies.
- Self contained breathing apparatus (SCBA) with 30-minute air tanks.
- Self contained breathing apparatus (SCBA) with 5 to 7-minute air tanks (Escape Packs)
- Air line breathing apparatus with escape bottle for prolonged work. (Cascade system)

The following monitoring equipment is available at the Lisbon Gas Plant or at the injection well site:

- Manually operated portable Sensidyne Gastec monitors with detector tubes designed to monitor both H₂S and SO₂ levels in the atmosphere.
- Electronic personnel monitors with constant digital readout of Lower Explosive Limit (LEL%), Hydrogen Sulfide concentration (H₂S ppm), and Oxygen (O₂%). All three sensors are constantly active and able to sound an alarm. Some monitors also monitor for SO₂ and CO.
- Area monitors are located throughout the injection well system and in the plant buildings for H₂S, Fire, and LEL. These monitors are connected to a Gaitronic emergency alarm horn capable of five distinct alarms:

Evacuation – Siren	Fire – Hi/Lo
H ₂ S – Yelp	Oxygen – Constant Horn
LEL – Warble	

Testing of all emergency alert and monitoring equipment is conducted on a monthly basis using the appropriate calibration and testing equipment and procedures for each type of sensor or alarm. All documentation of testing is kept on file at the Lisbon Gas Plant main office.

4.40 COMMUNICATIONS

Communication systems at the Lisbon Gas Plant and the SEI Facility include:

- Telephones: Located throughout plant and offices.
- Hand Held radios: Located on operators, mechanics and personnel.
 - o The frequencies are: Tx Freq. 456.550
451.550
Rx Freq. 451.550

- Truck radios: Located in field personnel's vehicles.
 - o The frequencies are the same as the hand held radios
- Cellular phones: Many employees have cell phones.

4.50 FIRE CONTROL EQUIPMENT

The following is the fire control equipment available at the Lisbon Gas Plant or at the SEI Facility:

30# Dry Chemical Fire Extinguishers	Located throughout the plant and injection system area at exit locations. Also at key locations outside buildings, where the risk of fire is great.
350# Dry Chemical Fire Extinguishers	Located in key locations where large volumes of dry chemical might be needed.
20# Clean Agent fire extinguishers	Located at MCC buildings where electrical fires are most likely to occur.
2 1/2# Fire Extinguishers	Located at main office in key locations and in company pickups.
AFFF foam vessel AFFF 55-gal drums	Located in the Old Process Building area of the Lisbon Gas Plant. It can be distributed to different areas of the plant where oil spills may occur.
AFFF foam – 5-gallon cans	Located in Lisbon Gas Plant warehouse. Used to inject foam at any location.
Automatic deluge system	Located in the Lisbon Gas Plant
Fire Hose Stations	Located at key locations in the plant area.
Monitor Stations	Located at key locations in the plant area.
Foam Station	Located in the Old Process Building area of the Lisbon Gas Plant.
Volume of Fire water available - 20,000 Barrels	Two 10,000 barrel tanks located on hill east of Lisbon Gas Plant.
Discharge Pressure of Fire water - 150 - 175#	Pressure is provided by one electric pump and one diesel driven pump when electricity is not available.

TESTING OF ABOVE EQUIPMENT

- Automatic Sprinkler system – Tested annually.
- 30# Dry Chemical fire extinguishers - tag checked monthly and tested annually.
- 350 # Dry Chemical fire extinguishers - Tag checked monthly/tested annually.
- 2 1/2 # Dry Chemical fire extinguishers - Tag checked monthly/tested annually.
- Clean Agent fire extinguishers - Tag checked monthly/tested annually.
- Fire water pumps electric/diesel - Tested weekly
- Volumetric flow rate of fire water - Tested annually
- Monitors and Fire Hose stations - Tested annually

4.60 DECONTAMINATION EQUIPMENT

Disposable Tyvek suits, SCBA gear, disposable gloves, kiddie pools, pump sprayers, decontamination detergents, neutralizers, rinse water, duct tape, eye protection, brushes, rubber boots and marking tape is available. This equipment is located in the Lisbon Gas Plant Emergency Response Trailer and warehouse.

All equipment used dealing with communication, fire protection, spill control and decontamination is tested, maintained and documented on a regular basis to assure proper operation.

4.70 INTERNAL EMERGENCY RESPONSE

The following emergency response teams/personnel are available at the Lisbon Gas Plant:

- Lisbon Gas Plant HAZMAT Team
- Confined Space Rescue Team
- All Employees trained in first aid/CPR

Please refer to the Emergency Contact List in Appendix A for contact information.

4.80 OUTSIDE EMERGENCY AID

External emergency response personnel and services include (but are not limited to) the following:

- Ambulance Service is available from the towns of Moab and Monticello.
- Medical First Responders and Fire response is available from the town of Lasal.
- Air Life Medical transport is available from St. Mary's Hospital in Grand Junction, Colorado.
- Law Enforcement is available from San Juan County Sheriff, Utah Highway Patrol, and the Bureau of Land Management, which respond from Monticello, Utah.

H2S Awareness training is made available annually to all emergency responders.

Please refer to the Emergency Contact List in Appendix C for contact information.

4.90 EMERGENCY PROCEDURES AND NOTIFICATION

All actions taken and procedures used by facility personnel in response to a fire, explosion, or release of hazardous waste are outlined in the Lisbon Gas Plant and Lisbon Field Emergency Response Plan located in the control room and in the PSM library. Other copies are held by key Patara personnel.

Released wastes and liquid are collected and contained using procedures found in the Lisbon Gas Plant and Lisbon Field Emergency Response Plan and the Spill Prevention Control and Countermeasure (SPCC) plan. If characterization of a waste is not known, testing is performed to determine the waste classification. All wastes are handled according to their type. If wastes are found that are classified as hazardous wastes, they are disposed of at an appropriate hazardous waste disposal facility.

Notification to Federal, State and Local agencies to report releases of hazardous waste, spills or incidents requiring reporting are accomplished through the Lisbon Gas Plant and Lisbon Field Emergency Response Plan and the Spill Prevention Control and Countermeasure (SPCC) plan, which follows a formatted initial reporting sequence. This initial report is usually submitted verbally over the phone to the appropriate agency and followed up by a written report within 7 days of the incident.

5.00 HYDROGEN SULFIDE EMERGENCY PROCEDURES

The following procedures should be used when an uncontrolled release of any substance containing H₂S occurs.

- Immediately upon discovery of a potentially hazardous or emergency situation, the Lisbon Gas Plant control room and the on duty supervisor shall be notified. The supervisor who is notified will become the "Incident Commander" and take charge of the response until he is relieved by his supervisor.
- The Emergency will be approached using the "Incident Command System" if no outside aid is required. The "Unified Incident Command System" will be used if public agencies are included in the response.
- At least two people should don fresh air breathing equipment (SCBA) and monitor the air for H₂S to determine both flammable and toxicity and establish safe areas.
- When the emergency response team is in place and equipped for rescue or repair, approach the release with monitors and determine extent of problem from both a flammable and toxic standpoint.
- Determine wind direction and establish a **SAFE ZONE** where response equipment and backup personnel can safely operate.
- Determine if the release threatens county roads or local mines (See Site Map in Appendix B). If either are threatened, activate the Public Protection Procedures in Section 6 of this response guide.
- Conduct a briefing in the **SAFE ZONE** to establish a plan of action for entry and determine what additional personal protective equipment will be required for **ENTRY PERSONNEL AND BACKUP PERSONNEL**.
- Assemble needed equipment in **SAFE ZONE**.
- When a safe plan of action has been agreed upon, **ENTRY PERSONNEL** may approach the release. Backup personnel should remain in the **SAFE ZONE** and be equipped for rescue if it should become necessary.

UNDER NO CIRCUMSTANCES SHOULD CONTROL EFFORTS BE ALLOWED TO PROCEED WHERE PROPER ACTION HAS NOT BEEN TAKEN TO ASSURE THE SAFETY OF RESPONSE PERSONNEL. Workers are considered safe only when they are breathing air with less than 10 parts per million (ppm) of Hydrogen Sulfide.

- Once the release has been controlled and monitoring has shown that the **HOT ZONE** is safe (<10 ppm H₂S and 0% LEL), clean up and repair work may begin.
- Formal notification of the incident should be made through line management.
- A Critique of the incident should follow.

6.00 PROTECTION OF THE GENERAL PUBLIC

6.10 NOTIFICATION OF POTENTIAL DANGER

- Warning signs are prominently displayed at the injection well site and at all access points to the Lisbon Gas Plant and the SEI Facility.
- Written notification will be made to all mineral and grazing lease holders within the calculated potential exposure areas.
- Response planning will be coordinated through the San Juan County Emergency Response Coordinator located in Monticello, Utah.

6.20 EMERGENCY EVACUATION AND ISOLATION OF DANGER AREA

In the event toxic gases are released in such quantities as to be a possible hazard to the public the following steps (in addition to the procedure outlined in Section 5.0) will be taken by the person in charge:

- Choose a command post site in a safe area.
- Alert by telephone the Incident Commander or the Safety Manager and notify the person of the situation and your choice of a command posts.
- Notify local Law Enforcement Officials of the need to restrict entry to the area and the **location of your command post**. Request their assistance in restricting entry into the danger area by placing roadblocks or barriers in safe areas.

Note-Alternate command posts and roadblocks may be required, the Incident Commander may make changes in the locations listed above. Care should be taken to notify all responders of the changes.

- Evacuate all active mines in the danger area. Mine owners have received prior notification that conditions could arise that would require their cooperation in clearing the area.
- Notify all grazing lease holders of the danger and what sections need to be evacuated by humans. (See Appendix B for lease holders names and what land Sections they hold grazing rights on.)
- If evacuation cannot be accomplished in a timely manner and the H₂S release is posing an immediate threat to human life, the Incident Commander may chose to ignite the gas. Because of the increased risks igniting the gas can pose for response personnel, only the Incident Commander can give this order.

APPENDIX A EMERGENCY CONTACT LIST

Utah Division of Environmental Quality	800.458.0145
Utah Division of Water Quality	801.538.6146
EPA 24-Hour Spill Notification Number	303.293.1788
Department of Transportation National Response Center	800.424.8802
Utah Division of Oil, Gas, & Mining	801.538.5340
Utah Oil & Gas Conservation Commission	801.538.5277
*Utah State Highway Patrol	800.492.2400
*Utah State Highway Patrol-Hazardous Materials Division	435.336.4461
*Ambulance Service (Moab)	435.259.8115
*Ambulance Service (Monticello)	435.587.2237
Ambulance Service (Grand Junction Air Life)	800.332.4923
*Hospital (Allen Memorial-Moab)	435.259.7191
*Hospital (San Juan Hospital)	435.587.2116
*Grand County Sheriff	(Moab) 435.259.8115
*San Juan County Sheriff	(Monticello) 435.587.2237
*Moab Area Fire Department	435.259.5551
*LaSal Area Fire Department	435.686.2388
*Monticello Area Fire Department (Contact through San Juan County Sheriff)	435.587.2237
*Blanding Area Fire Department	435.678.2313
U.S. Dept. of Interior, Bureau of Land Management	970.878.5555
Moab Field Office	435.259.6111
Patara Corporate Office	713.357.7171
Patara Lisbon Gas Plant Office	435.686.7600
Patara Lisbon Gas Plant Control Room	435.686.7620
Patara Lisbon Gas Plant Control Room (24 Hour Emergency Number)	866.774.8385
Nick Bradshaw, Lisbon Gas Plant Superintendent	435.686.7616
John Warren, Production Manager	303.349.8560
Dayne Doucet, EHS Coordinator	435.686.7614

*= these are non-emergency numbers. Emergency calls should dial 911.

**APPENDIX B
LEASE HOLDER INFORMATION**

MINE OPERATORS & NOTIFICATION ADDRESSES

Anderson, James, Estate, Box 9196, Salt Lake City, UT, 84109
Atlas Corporation, Box 1207, Moab, UT, 84532
Bailey, Rick, P.O. Box 1129, Monticello, UT, 84535
Baker, W. V., 1766 W 4575 S, Roy, UT, 89510
Baker, W. V., Box 10628, Reno, NV, 89510
Birch, Arthur, 190 W. Canter, Huntington, UT, 84501
Boyd, Maxine S., 1490 E. 500 South #28, Price, UT, 84501
Brown, Nancy, 8604 E. Devonshire, Scottsdale, AZ, 85251
Butzow, George, Box 713, Huntington, UT, 84528
Butzow, Tonia, Box 713, Huntington, UT, 84528
Clemons, Paul B., 8604 E. Devonshire, Scottsdale, AZ, 85251
Crowley, Delsie, 1501 S. Mesa, Montrose, CO, 81401
Dearth, A.E., 672 Mivida Dr., Moab, UT, 84532
Dearth, A.F., 54 S. Flora Way, Golden, CO, 80401
F804 Inc., 2800 S. University Blvd., Denver, CO, 80210
Francis, Clara, 420 Topaz Circle, Moab, UT, 84532
Francis, Lyle G., 420 Topaz Circle, Moab, UT, 84532
Francis, Lyle, 420 Topaz Circle, Moab, UT, 84532
Giles, Albert, % Bob Shumway, 3080 Spanish Trail Dr., Moab, UT, 84532
Hart, C.J., 97417 1/4 Rd., Fruita, CO, 81521
Hart, C.J., Box 1075, Vernal, UT, 84078
Hart, C.J., Box 2492, Durango, CO, 81302
Hart, C.J., Box 267, Durango, CO, 81521
Hart, C.J., Box 3037, Durango, CO, 81302
Hart, C.J., Box 713, Huntington, UT, 84528
Heda Mining Company, Box C 8000, Cofeur D Alene, ID, 83814
Homestead Mining CO/CA, 155 Glendale #18, Sparks, NV, 89431
Homestead Mining CO/CA, 1726 Cole Boulevard, Golden, CO, 80401
Homestead Mining CO/CA, 650 California St. 9th Floor, San Francisco, CA, 94108
Homestead Mining CO/CA, 7625 W. 5th Ave., Lakewood, CO, 80226
Homestead Mining CO/CA, Box 10628, Reno, NV, 89510
Homestead Mining CO/CA, Box 89510, Reno, NV, 89510

Homestead Mining Co/CA,7625 West 5th Avenue,LakeWood,CO,80226
Hudson,H. Clay,Box 10628,Reno,NV,89510
Hudson,T.C.,Box 10628,Reno,NV,89510
Hudson,W.T.,155 Glendale #18,Sparks,NV,89431
Hudson,W.T.,7625 W. 5th Ave.,Lakewood,CO,80226
Kemper,R.B.,10720 McCume Ave.,Los Angeles,CA,90034
Kunkel,Burton F. c/o Bob Shumway,3080 Spanish Trail Dr.,Moab,UT,84532
Kunkel,Raymond E.,33 Holiday Haven,Moab,UT,84532
Kunkel,Raymond E.,8664 Monmouth Pl.,Denver,CO,80237
Lawther,Hazel A.,156 N. Fraser Dr. W.,Mesa,AZ,85203
McCormick,Patricia,Box 149,Aurora,MO,62505
Melich,Mitchell,900 Donner Way,Salt Lake City,UT,84108
Mundy,H.N.,Box 10628,Reno,NV,89510
Osanke,Mary Lou,Box 1230,Ely,NV,89301
Osanke,Mary Lou,Box 193,LaSal,UT,84530
Osanke,Steve,Box 1230,Ely,NV,89301
Osanke,Steve,Box 192,LaSal,UT,84530
Powell,Claudette,180 Braewick Rd.,Salt Lake City,UT,84103
Powell,Claudette,Box 713,Huntington,UT,84528
Powell,Cory,Box 713,Huntington,UT,84528
Powell,Phillip,Box 713,Huntington,UT,84528
Powell,Zachary,Box 713,Huntington,UT,84528
Redd,Paul,20923 T5 Road, Paradox,CO,81429
Richardson,Frank,Box 10628,Reno,NV,89510
Robinson,Dean (K.S. Summers),P.O. Box 67,Monticello,UT,84535
Rogers,Anna,Box 10628,Reno,NV,89510
Rogers,L.E.,Box 10628,Reno,NV,89510
Shumway,Bob, 3080 Spanish Trail Dr.,Moab,UT,84532
Standard Metals,P.O. Box 247,Silverton,CO,81433
Steen,Andrew K.,7621 El Monte Dr., Buena Park,CA,90621
Steen,Charles A.,7621 El Monte Dr.,Buena Park,CA,90621
Strode,Gary L.,62266 N. Star Dr.,Montrose,CO,81401
Umetco Minerals Corporation,Box 1029,Grand Junction,CO,81502
Uranium King Corporation,Box 1408,Coralles,NM,87045
Westmont Engineering Company c/o Bob Shumway,3080 Spanish Trail Dr.,
Moab,UT,84532,

GRAZING LEASE HOLDERS

SECTIONS 19, 24

Rick Bailey, (Spring Creek Ranch) Phone (435) 587-2313
P.O. Box 1129
Monticello, Utah 84535

SECTIONS 10, 11, 14, 15, 21, 22, 23, 26, 27

Dean Robinson (K. S. Summers), Phone (435) 587-2333
P.O. Box 67
Monticello, Utah 84535

SECTIONS 2, 3, 4, 9, 10, 11, 12, 13, [33 (BI#1)]

Paul Redd, Phone (970) 859-7358
20923 T5 Road
Paradox, Colorado 81429

WELLBORE DIAGRAM

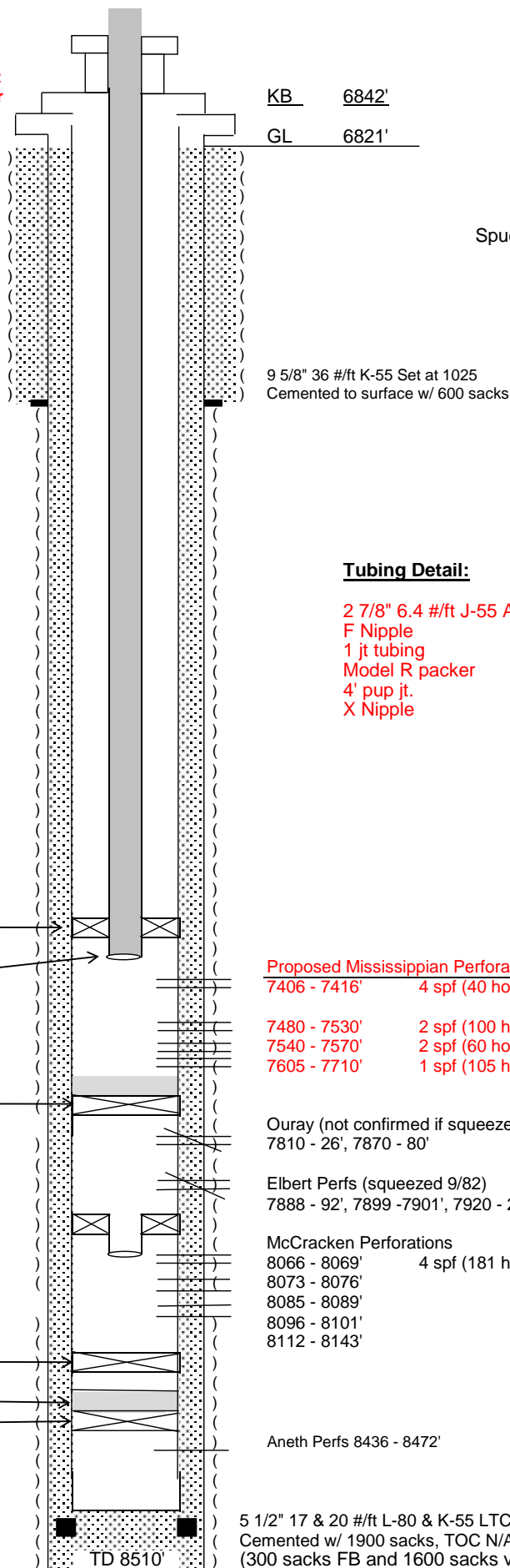
(Proposed)

Footage Location: 565' FNL & 964' FEL

Operator:	Patara Oil & Gas, LLC
Well Name:	Lisbon D-610
Lease Number:	U-014903
Location:	NW NE NE Section 10-T30S-R24E
Field:	Lisbon
County:	San Juan
API Number:	43-037-30694
Diagram Date:	04/07/2011 John Warren

Proposed Operation

Plug off McCracken and convert
well to a Mississippian producer

**Well History**

Spud Date 2/7/1982

Tubing Detail:**Depth:**

2 7/8" 6.4 #/ft J-55 AB Modified Tbg
F Nipple
1 jt tubing
Model R packer
4' pup jt.
X Nipple

7358'

Annulus filled w/ packer fluid

Model R pkr @ 7350'

EOT @ 7358' (See tbg detail)

Proposed CIBP set @ 7790'

Dump 2 sacks cement on top

Baker Model S CIBP @ 8385'

7 ft cement

Howco CIBP @ 8400'

Proposed Mississippian Perforations

7406 - 7416' 4 spf (40 holes)

7480 - 7530' 2 spf (100 holes)

7540 - 7570' 2 spf (60 holes)

7605 - 7710' 1 spf (105 holes)

Ouray (not confirmed if squeezed)

7810 - 26', 7870 - 80'

Elbert Perfs (squeezed 9/82)

7888 - 92', 7899 - 7901', 7920 - 28', 7958 - 62'

McCracken Perforations

8066 - 8069' 4 spf (181 holes)

8073 - 8076'

8085 - 8089'

8096 - 8101'

8112 - 8143'

Aneth Perfs 8436 - 8472'

5 1/2" 17 & 20 #/ft L-80 & K-55 LTC set at 8510'

Cemented w/ 1900 sacks, TOC N/A

(300 sacks FB and 1600 sacks via DV Tool @ 7347')

RECEIVED Jul. 05, 2011

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NUMBER: U014903
b. TYPE OF WORK: NEW WELL <input type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR: Patara Oil & Gas LLC		7. UNIT or CA AGREEMENT NAME
3. ADDRESS OF OPERATOR: 600 17th St, Ste 1900S CITY Denver STATE CO ZIP 80202		8. WELL NAME and NUMBER: Lisbon Unit D-610
PHONE NUMBER: (303) 563-5377		9. API NUMBER: 4303730694
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 565 FNL 964 FEL		10. FIELD AND POOL, OR WILDCAT Lisbon
AT TOP PRODUCING INTERVAL REPORTED BELOW:		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNE 10 30S 24E S
AT TOTAL DEPTH:		12. COUNTY San Juan
		13. STATE UTAH

14. DATE SPURRED: 2/7/1982	15. DATE T.D. REACHED:	16. DATE COMPLETED: 5/11/2011	ABANDONED <input type="checkbox"/> READY TO PRODUCE <input checked="" type="checkbox"/>	17. ELEVATIONS (DF, RKB, RT, GL): 6821 GL
18. TOTAL DEPTH: MD 8,510 TVD	19. PLUG BACK T.D.: MD 7,820 TVD	20. IF MULTIPLE COMPLETIONS, HOW MANY? * 1	21. DEPTH BRIDGE MD 7,790 PLUG SET: TVD	
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)			23. WAS WELL CORED? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit copy)	

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
12.25	9.625 K-55	36	0	1,025		600		0	
8.75	5.5 L-80	20	0	8,510		1,900		n/a	

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2.875	7,365	7,356						

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) Mississippian	7,406	7,710			7,406 7,416		40	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B)					7,480 7,530		100	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(C)					7,540 7,570		60	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(D)					7,605 7,710		105	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
7406 - 7416	1000gal 28% HCL acid flush
7710 - 7530	8000gal 28% HCL with N2 foam

RECEIVED

NOV 25 2011

DIV. OF OIL, GAS & MINING

29. ENCLOSED ATTACHMENTS:

- ☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER: _____

30. WELL STATUS:

Flowing

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 7/12/2011		TEST DATE: 7/12/2011		HOURS TESTED: 24		TEST PRODUCTION RATES: →		OIL – BBL: 0		GAS – MCF: 60		WATER – BBL: 0		PROD. METHOD: Flow	
CHOKE SIZE: -	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO 60	24 HR PRODUCTION RATES: →		OIL – BBL: 0		GAS – MCF: 60		WATER – BBL: 0		INTERVAL STATUS: Flowing	

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
Mississippian	7,406	7,710	Gas		

35. ADDITIONAL REMARKS (Include plugging procedure)

Please see attached WBD for current wellbore status.

McCracken perfs abandoned below CIBP #1 set at 8044', #2 set at 7980', and #3 set at 7790'. 50' cement dump bailed on each plug.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Christopher A. Noonan

TITLE Production Technician

SIGNATURE

DATE 11/22/2011

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

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NOV 25 2011

DIV. OF OIL, GAS & MINING

WELLBORE DIAGRAM

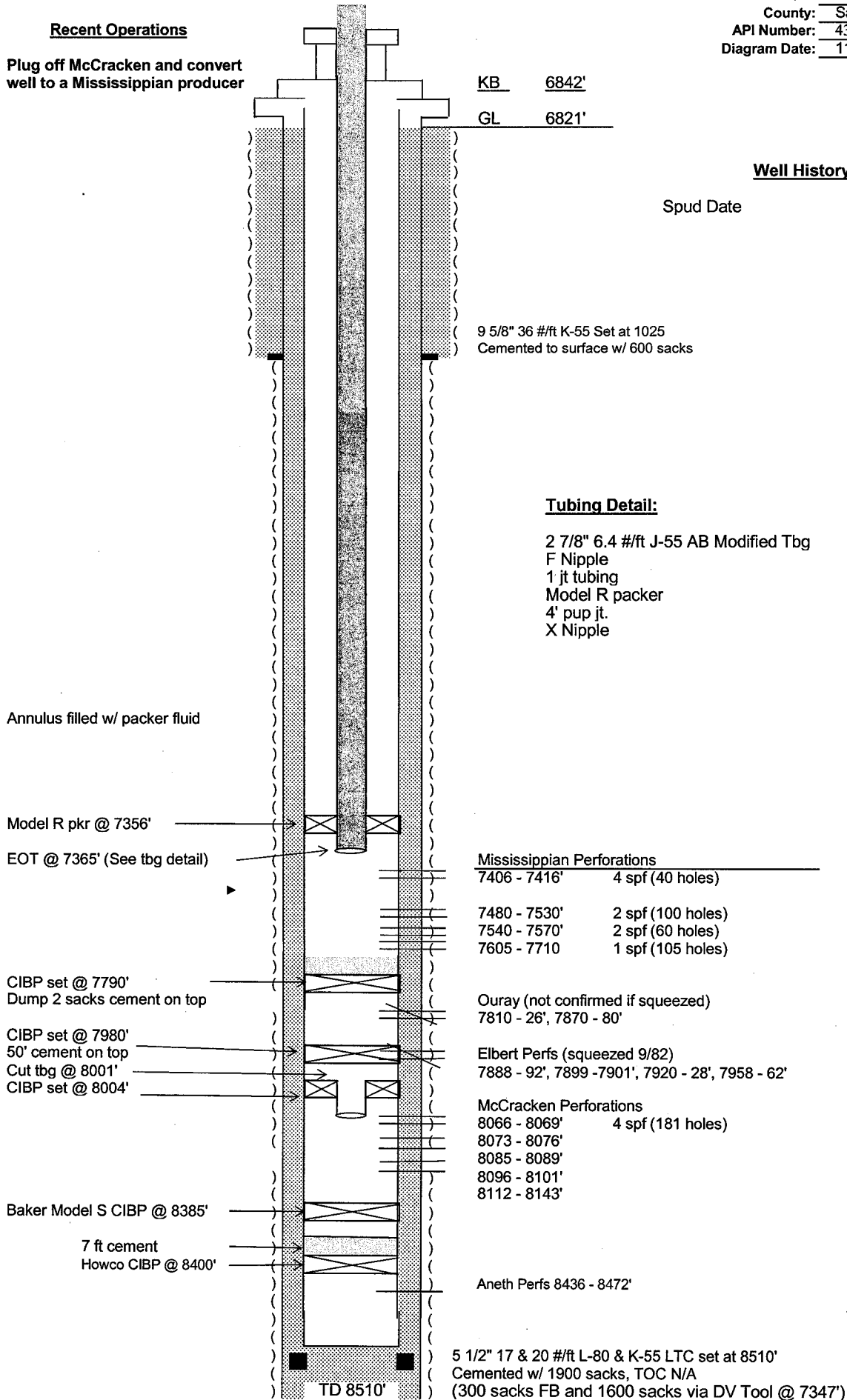
Final

Footage Location: 565' FNL & 964' FEL

Operator: Patara Oil & Gas, LLC
Well Name: Lisbon D-610
Lease Number: U-014903
Location: NW NE NE Section 10-T30S-R24E
Field: Lisbon
County: San Juan
API Number: 43-037-30694
Diagram Date: 11/22/2011 B. Noonan

Recent Operations

Plug off McCracken and convert well to a Mississippian producer



Well History

Spud Date 2/7/1982

Tubing Detail:

2 7/8" 6.4 #/ft J-55 AB Modified Tbg
F Nipple
1 jt tubing
Model R packer
4' pup jt.
X Nipple

Depth:

7365'

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DIV. OF OIL, GAS & MINING

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING

CDW

X - Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

11/1/2012

FROM: (Old Operator):
 N3670- Patara Oil & Gas, LLC
 600 17th Street, Suite 1900S
 Denver, CO 80202
 Phone: 1 (303) 825-0685

TO: (New Operator):
 N3645- CCI Paradox Upstream, LLC
 600 17th Street, Suite 1900S
 Denver, CO 80202
 Phone: 1 (303) 825-0685

CA No.				Unit:		Lisbon (McCreacken)		
WELL NAME	SEC TWN RNG			API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List								

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 1/23/2013
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 2/7/2013
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/12/2013
- a. Is the new operator registered in the State of Utah: _____ Business Number: 8523441-0161
- 5a. (R649-9-2) Waste Management Plan has been received on: Not Yet
- 5b. Inspections of LA PA state/fee well sites complete on: N/A
- 5c. Reports current for Production/Disposition & Sundries on: 2/12/2013
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM Not Yet BIA N/A
- Federal and Indian Units:**
 The BLM or BIA has approved the successor of unit operator for wells listed on: Not Yet
- Federal and Indian Communization Agreements ("CA"):**
 The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 2/12/2013
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/12/2013
- Bond information entered in RBDMS on: 2/7/2013
- Fee/State wells attached to bond in RBDMS on: 2/12/2013
- Injection Projects to new operator in RBDMS on: N/A
- Receipt of Acceptance of Drilling Procedures for APD/New on: 2/4/2013

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: 105865919
- Indian well(s) covered by Bond Number: N/A
- 3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 105865922
- 3b. The **FORMER** operator has requested a release of liability from their bond on: N/A

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS:

Patara Oil Gas, LLC (N3670) to CCI Paradox Upstream, LLC (N3945

Effective 11/1/2012

Lisbon (McCracken) Unit

Well Name	Section	TWN	RNG	API Number	Entity	Lease Type	Well Type	Well Status
Lisbon 14-11MC	14	300S	240E	4303750013		Federal	OW	APD
Lisbon 10-44MC	14	300S	240E	4303750014		Federal	OW	APD
Lisbon 3-32MC	04	300S	240E	4303750015		Federal	OW	APD
Lisbon 11-33MC	14	300S	240E	4303750016		Federal	OW	APD
Lisbon 11-21MC	10	300S	240E	4303750017		Federal	GW	APD
Lisbon 3-43MC	03	300S	240E	4303750018		Federal	OW	APD
LISBON U B-610	10	300S	240E	4303716469	8123/9740	Federal	OW	P
Lisbon 10-33MC	10	300S	240E	4303750019	9740	Federal	OW	P
LISBON U D-610	10	300S	240E	4303730694	8123	Federal	GW	S

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JAN 23 2013

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

DIV. OF OIL, GAS & MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Multiple Well Transfer</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: n/a
2. NAME OF OPERATOR: Patara Oil & Gas LLC <u>N3670</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: n/a
3. ADDRESS OF OPERATOR: 600 17th St. Ste. 1900S City Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME: n/a
PHONE NUMBER: (303) 825-0685		8. WELL NAME and NUMBER: Multiple
4. LOCATION OF WELL FOOTAGES AT SURFACE: n/a		9. API NUMBER: n/a
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		10. FIELD AND POOL, OR WILDCAT: n/a

COUNTY: San Juan, UT

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 11/1/2012	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Patara Oil & Gas LLC (Patara) hereby requests the transfer of operating rights and responsibilities for the subject wells, listed herein, to the new owner/operator of the assets, being effective November 1, 2012; CCI Paradox Upstream LLC (CCI).

Please see Exhibit I for a detailed list of upstream assets considered for transfer. Patara midstream assets will be transferred via a separate letter, enclosed.

NAME (PLEASE PRINT) Christopher A. Noonan TITLE Regulations & Production Reporting Supervisor
SIGNATURE *Christopher A. Noonan* DATE 1/18/13

(This space for State use only)

APPROVED

FEB 12 2013

(5/2000)

DIV. OF OIL, GAS & MINING

(See Instructions on Reverse Side)

BY: Rachel Medina

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Multiple Well Transfer</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: n/a
2. NAME OF OPERATOR: CCI Paradox Upstream LLC <u>N3945</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: n/a
3. ADDRESS OF OPERATOR: 600 17th St. Ste. 1900S CITY <u>Denver</u> STATE <u>CO</u> ZIP <u>80202</u>		7. UNIT or CA AGREEMENT NAME: n/a
4. LOCATION OF WELL FOOTAGES AT SURFACE: <u>n/a</u>		8. WELL NAME and NUMBER: <u>Multiple</u>
PHONE NUMBER: <u>(303) 825-0685</u>		9. API NUMBER: n/a
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		10. FIELD AND POOL, OR WILDCAT: n/a

COUNTY: San Juan, UT

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____ <input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: <u>11/1/2012</u>	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input checked="" type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input type="checkbox"/> OTHER: _____

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

CCI Paradox Upstream LLC (CCI), hereby requests the transfer of operating rights and responsibilities for the subject wells, listed herein, to the new owner/operator of the assets, CCI, being effective November 1, 2012. The assets were previously operated by Patara Oil & Gas LLC (Patara) prior to sale.

Please see Exhibit I for a detailed list of upstream assets considered for transfer. Patara midstream assets will be transferred via a separate letter, enclosed.

Bond Number:
BLM: 105865919
State: 105865922

NAME (PLEASE PRINT) <u>Christopher A. Noonan</u>	TITLE <u>Regulations & Production Reporting Supervisor</u>
SIGNATURE	DATE <u>2/6/2012</u>

(This space for State use only)

APPROVED

FEB 12 2013

DIV. OIL GAS & MINING

BY: Rachel Medina

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FEB 07 2013

Div. of Oil, Gas & Mining

Exhibit I

BLM Form 3160-5 Transfer of Operator

Utah Form 9 Transfer of Operator

State of Utah Upstream Assets

01/09/2013

API Well Number	Operator	Well Name	Well Status	Well Type	Field Name	County	Qtr/Qtr	Section	Township-Range)
✓ 43-037-15049-00-00	PATARA OIL & GAS LLC	LISBON D-616	Shut-In	Oil Well	LISBON	SAN JUAN	NENE	16	30S-24E 1
✓ 43-037-15123-00-00	PATARA OIL & GAS LLC	LISBON B-615	Producing	Oil Well	LISBON	SAN JUAN	NENW	15	30S-24E 2
✓ 43-037-15769-00-00	PATARA OIL & GAS LLC	LISBON B912	Shut-In	Oil Well	LISBON	SAN JUAN	SESW	12	30S-24E 3
✓ 43-037-16219-00-00	PATARA OIL & GAS LLC	BIG INDIAN UNIT 1	Shut-In	Oil Well	BIG INDIAN (MADISON)	SAN JUAN	SENE	33	29S-24E 11
✓ 43-037-16221-00-00	PATARA OIL & GAS LLC	BIG INDIAN 4	Shut-In	Gas Well	BIG INDIAN (HERMOSA)	SAN JUAN	SWSW	14	30S-25E 5
✓ 43-037-16237-00-00	PATARA OIL & GAS LLC	LISBON A-715	Inactive	Water Disposal Well	LISBON	SAN JUAN	SWNW	15	30S-24E 6
✓ 43-037-16240-00-00	PATARA OIL & GAS LLC	LISBON B-613	Shut-In	Oil Well	LISBON	SAN JUAN	NENW	13	30S-24E 7
✓ 43-037-16242-00-00	PATARA OIL & GAS LLC	LISBON B-616	Shut-In	Oil Well	LISBON	SAN JUAN	NESW	16	30S-24E 8
✓ 43-037-16244-00-00	PATARA OIL & GAS LLC	BELCO ST 4 (LISBON B-816)	Active	Water Disposal Well	LISBON	SAN JUAN	NESW	16	30S-24E 9
✓ 43-037-16245-00-00	PATARA OIL & GAS LLC	LISBON C-69	Shut-In	Oil Well	LISBON	SAN JUAN	NWNE	9	30S-24E 10

✓ 43-037-16247-00-00	PATARA OIL & GAS LLC	LISBON C-94	Shut-In	Oil Well	LISBON	SAN JUAN	SWSE	4	30S-24E 11
✓ 43-037-16250-00-00	PATARA OIL & GAS LLC	LISBON UNIT D-84	Shut-In	Oil Well	LISBON	SAN JUAN	NESE	4	30S-24E 12
✓ 43-037-16251-00-00	PATARA OIL & GAS LLC	LISBON D-89	Shut-In	Oil Well	LISBON	SAN JUAN	NESE	9	30S-24E 13
43-037-16469-00-00	PATARA OIL & GAS LLC	LISBON U B-610	Producing	Oil Well	LISBON	SAN JUAN	NENW	10	30S-24E 14
43-037-16471-00-00	PATARA OIL & GAS LLC	NW LISBON USA A-2 (D-810)	Producing	Gas Well	LISBON	SAN JUAN	NESE	10	30S-24E 15
43-037-30054-00-00	PATARA OIL & GAS LLC	LISBON B-84	Shut-In	Oil Well	LISBON	SAN JUAN	NESW	4	30S-24E 16
43-037-30082-00-00	PATARA OIL & GAS LLC	LISBON B-814	Active	Water Disposal Well	LISBON	SAN JUAN	NESW	14	30S-24E 17
43-037-30317-00-00	PATARA OIL & GAS LLC	FEDERAL 15-25	Shut-In	Gas Well	WILSON CANYON	SAN JUAN	SWSE	25	29S-23E 18
43-037-30693-00-00	PATARA OIL & GAS LLC	LISBON C-99	Shut-In	Oil Well	LISBON	SAN JUAN	SWSE	9	30S-24E 19
43-037-30694-00-00	PATARA OIL & GAS LLC	LISBON U D-610	Shut-In	Gas Well	LISBON	SAN JUAN	NENE	10	30S-24E 20
43-037-30695-00-00	PATARA OIL & GAS LLC	LISBON B-94	Shut-In	Oil Well	LISBON	SAN JUAN	SESW	4	30S-24E 1
43-037-31014-00-00	PATARA OIL & GAS LLC	LISBON UNIT A-911	Producing	Gas Well	LISBON	SAN JUAN	SWSW	11	30S-24E 2
43-037-31034-00-00	PATARA OIL & GAS LLC	LISBON UNIT D-716	Shut-In	Oil Well	LISBON	SAN JUAN	SENE	16	30S-24E 3
43-037-31323-00-00	PATARA OIL & GAS LLC	LISBON C-910	Shut-In	Oil Well	LISBON	SAN JUAN	SWSE	10	30S-24E 4
43-037-31351-00-00	PATARA OIL & GAS LLC	LISBON B-614A	Shut-In	Oil Well	LISBON	SAN JUAN	NENW	14	30S-24E 5
43-037-31433-00-00	PATARA OIL & GAS LLC	LISBON B-810	Producing	Oil Well	LISBON	SAN JUAN	NESW	10	30S-24E 6

43-037-31829-00-00	PATARA OIL & GAS LLC	BIG INDIAN 35-24	Shut-In	Gas Well	SOUTH PINE RIDGE	SAN JUAN	SENE	35	29S-24E 7
43-037-31831-00-00	PATARA OIL & GAS LLC	BULL HORN U 10-43	Producing	Gas Well	BIG INDIAN (HERMOSA)	SAN JUAN	SWSE	10	30S-25E 8
43-037-31838-00-00	PATARA OIL & GAS LLC	MIDDLE MESA ST 36-14-29-24	Producing	Gas Well	SOUTH PINE RIDGE	SAN JUAN	NENE	36	29S-24E 9
43-037-31843-00-00	PATARA OIL & GAS LLC	BULL HORN FED 9-14-30-25	Producing	Gas Well	BIG INDIAN (HERMOSA)	SAN JUAN	NENE	9	30S-25E 30
43-037-31848-00-00	PATARA OIL & GAS LLC	BULL HORN FED 15-14-30-25	Producing	Gas Well	BIG INDIAN (HERMOSA)	SAN JUAN	NENE	15	30S-25E 1
43-037-31849-00-00	PATARA OIL & GAS LLC	BULL HORN FED 10-21-30-25	Producing	Gas Well	BIG INDIAN (HERMOSA)	SAN JUAN	NWSW	10	30S-25E 2
43-037-31850-00-00	PATARA OIL & GAS LLC	BIG INDIAN FED 14-21-30-25	Producing	Gas Well	BIG INDIAN (HERMOSA)	SAN JUAN	SWNW	14	30S-25E 3
43-037-31853-00-00	PATARA OIL & GAS LLC	MIDDLE MESA FED 5-6-30-25	Producing	Gas Well	SOUTH PINE RIDGE	SAN JUAN	LOT6	5	30S-25E 4
43-037-31854-00-00	PATARA OIL & GAS LLC	MIDDLE MESA FED 31-31-29-25	Producing	Gas Well	SOUTH PINE RIDGE	SAN JUAN	NWSW	31	29S-25E 5
43-037-31855-00-00	PATARA OIL & GAS LLC	MIDDLE MESA ST 36-12-29-24	Shut-In	Gas Well	SOUTH PINE RIDGE	SAN JUAN	NENW	36	29S-24E 6
43-037-31856-00-00	PATARA OIL & GAS LLC	MIDDLE MESA ST 36-24-29-24	Producing	Gas Well	SOUTH PINE RIDGE	SAN JUAN	SENE	36	29S-24E 7
43-037-31859-00-00	PATARA OIL & GAS LLC	BIG INDIAN FED 15-24-30-25	Shut-In	Gas Well	BIG INDIAN (HERMOSA)	SAN JUAN	SWNW	14	30S-25E 8
43-037-31860-00-00	PATARA OIL & GAS LLC	BIG INDIAN FED 14-42-30-25	Producing	Gas Well	BIG INDIAN (HERMOSA)	SAN JUAN	SESW	14	30S-25E 9
43-037-31861-00-00	PATARA OIL & GAS LLC	BULL HORN FED 10-42-30-25	Shut-In	Gas Well	BIG INDIAN (HERMOSA)	SAN JUAN	SESW	10	30S-25E 40
43-037-31864-00-00	PATARA OIL & GAS LLC	BULL HORN FED 10-31-30-25	Producing	Gas Well	BIG INDIAN (HERMOSA)	SAN JUAN	NWSW	10	30S-25E 1
43-037-31877-00-00	PATARA OIL & GAS LLC	MIDDLE MESA ST 36-12B-29-24	Producing	Gas Well	SOUTH PINE RIDGE	SAN JUAN	NENW	36	29S-24E 2

43-037-31878-00-00	PATARA OIL & GAS LLC	MIDDLE MESA ST 36-24B-29-24	Producing	Gas Well	SOUTH PINE RIDGE	SAN JUAN	SENE	36	29S-24E 3
43-037-31883-00-00	PATARA OIL & GAS LLC	BIG INDIAN FED 15-24B-30-25	Shut-In	Gas Well	BIG INDIAN (HERMOSA)	SAN JUAN	SWNW	14	30S-25E 4
43-037-31884-00-00	PATARA OIL & GAS LLC	BIG INDIAN FED 23-13B-30-25	Approved permit (APD); not yet spudded	Gas Well	BIG INDIAN (HERMOSA)	SAN JUAN	NWNE	23	30S-25E 5
43-037-31885-00-00	PATARA OIL & GAS LLC	BIG INDIAN FED 23-13-30-25	Approved permit (APD); not yet spudded	Gas Well	BIG INDIAN (HERMOSA)	SAN JUAN	NWNE	23	30S-25E 6
43-037-31891-00-00	PATARA OIL & GAS LLC	BULL HORN FED 15-13-30-25	Producing	Gas Well	BIG INDIAN (HERMOSA)	SAN JUAN	NENE	15	30S-25E 7
43-037-31893-00-00	PATARA OIL & GAS LLC	MIDDLE MESA FED 30-41-29-25	Approved permit (APD); not yet spudded	Gas Well	UNDESIGNATED	SAN JUAN	SWSW	30	29S-25E 8
43-037-31897-00-00	PATARA OIL & GAS LLC	MIDDLE MESA FED 5-10-30-25	Spudded (Drilling commenced: Not yet completed)	Gas Well	SOUTH PINE RIDGE	SAN JUAN	LT10	5	30S-25E 9
43-037-31901-00-00	PATARA OIL & GAS LLC	MIDDLE MESA FED 25-43-29-24	Approved permit (APD); not yet spudded	Gas Well	UNDESIGNATED	SAN JUAN	SWSE	25	29S-24E 10
43-037-31902-00-00	PATARA OIL & GAS LLC	MIDDLE MESA FED 25-41-29-24	Producing	Gas Well	SOUTH PINE RIDGE	SAN JUAN	SWSW	25	29S-24E 1
43-037-31903-00-00	PATARA OIL & GAS LLC	MIDDLE MESA FED 25-31-29-24	Producing	Gas Well	SOUTH PINE RIDGE	SAN JUAN	NWSW	25	29S-24E 2
43-037-31904-00-00	PATARA OIL & GAS LLC	MIDDLE MESA FED 26-34-29-24	Producing	Gas Well	SOUTH PINE RIDGE	SAN JUAN	NESW	26	29S-24E 3

43-037-31905-00-00	PATARA OIL & GAS LLC	MIDDLE MESA FED 26-23-29-24	Approved permit (APD); not yet spudded	Gas Well	UNDESIGNATED	SAN JUAN	SWNE	26	29S-24E 4
43-037-31906-00-00	PATARA OIL & GAS LLC	MIDDLE MESA FED 31-44-29-25	Producing	Gas Well	SOUTH PINE RIDGE	SAN JUAN	SESE	31	29S-25E 5
43-037-31907-00-00	PATARA OIL & GAS LLC	MIDDLE MESA FED 31-33-29-25	Producing	Gas Well	SOUTH PINE RIDGE	SAN JUAN	NWSE	31	29S-25E 4
43-037-31909-00-00	PATARA OIL & GAS LLC	MIDDLE MESA FED 31-22-29-25	Approved permit (APD); not yet spudded	Gas Well	SOUTH PINE RIDGE	SAN JUAN	SENW	31	29S-25E 7
43-037-31910-00-00	PATARA OIL & GAS LLC	MIDDLE MESA FED 31-11-29-25	Approved permit (APD); not yet spudded	Gas Well	SOUTH PINE RIDGE	SAN JUAN	NWNW	31	29S-25E 8
43-037-50008-00-00	PATARA OIL & GAS LLC	CISCO STATE 36-13	Temporarily-Abandoned	Gas Well	WILDCAT	SAN JUAN	NWNE	36	31S-24E 9
43-037-50010-00-00	PATARA OIL & GAS LLC	MIDDLE MESA FED 4-20-30-25	Producing	Gas Well	SOUTH PINE RIDGE	SAN JUAN	SWNW	4	30S-25E 60
43-037-50012-00-00	PATARA OIL & GAS LLC	Lisbon 11-32MC	Returned APD (Unapproved)	Oil Well	UNDESIGNATED	SAN JUAN	SWNE	11	30S-24E 1
43-037-50013-00-00	PATARA OIL & GAS LLC	Lisbon 14-11MC	Approved permit (APD); not yet spudded	Oil Well	LISBON	SAN JUAN	NWNW	14	30S-24E 2
43-037-50014-00-00	PATARA OIL & GAS LLC	Lisbon 10-44MC	Approved permit (APD); not yet spudded	Oil Well	LISBON	SAN JUAN	NWNW	14	30S-24E 3

43-037-50015-00-00	PATARA OIL & GAS LLC	Lisbon 3-32MC	Approved permit (APD); not yet spudded	Oil Well	LISBON	SAN JUAN	NESE	4	4 30S-24E
43-037-50016-00-00	PATARA OIL & GAS LLC	Lisbon 11-33MC	Approved permit (APD); not yet spudded	Oil Well	LISBON	SAN JUAN	NENW	14	5 30S-24E
43-037-50017-00-00	PATARA OIL & GAS LLC	Lisbon 11-21MC	Approved permit (APD); not yet spudded	Gas Well	LISBON	SAN JUAN	NWSE	10	6 30S-24E
43-037-50018-00-00	PATARA OIL & GAS LLC	Lisbon 3-43MC	Approved permit (APD); not yet spudded	Oil Well	LISBON	SAN JUAN	SESE	3	7 30S-24E
43-037-50019-00-00	PATARA OIL & GAS LLC	Lisbon 10-33MC	Spudded (Drilling commenced: Not yet completed)	Oil Well	LISBON	SAN JUAN	NWSE	10	8 30S-24E
43-037-50021-00-00	PATARA OIL & GAS LLC	Middle Mesa Fed 31-42-29-25	Approved permit (APD); not yet spudded	Gas Well	SOUTH PINE RIDGE	SAN JUAN	SESW	31	9 29S-25E
43-037-50026-00-00	PATARA OIL & GAS LLC	Middle Mesa Federal 5-8-30-25	Approved permit (APD); not yet spudded	Gas Well	SOUTH PINE RIDGE	SAN JUAN	NENE	5	10 30S-25E